

PERMIT TO CONSTRUCT

New

Permit No. 90-351R

Renewal

Modified

Town of Opal Park Utility Improvements
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Town of Opal

P.O. Box 130

Opal, WY 83124

to construct water and sanitary sewer service lines to park rest rooms and a water fill station according to the procedures and conditions of the application No. 90-351R. The facility is located in SE 1/4, Section 27, T21N, R114W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

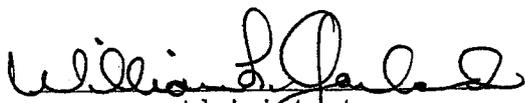
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

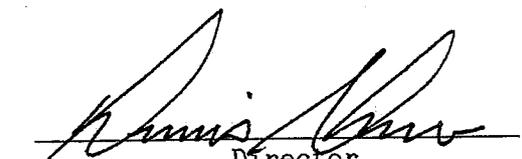
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality

November 1, 1990
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

STR/anc

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-353
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Frontier Refining, Inc.

This permit hereby authorizes the applicant:

Frontier Refining, Inc.
2700 East 5th St.
Cheyenne, WY 82003

to construct, install or modify recovery wells and groundwater pollution control systems according to the procedures and conditions of the application number 90-353. The facility is located in Sections 4 & 5, NW(4) & NE(5), T13N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of one (1) year (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

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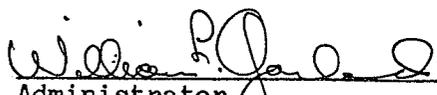
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

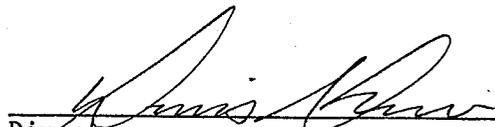
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AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

January 17, 1990
Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

Conditions to Permit #90-353

1. The product recovery wells and associated equipment shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-353. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. After the product recovery wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within fifteen (15) days after a well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
3. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the product recovery wells shall be reported immediately to the division. The wells shall be clearly numbered.
4. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
5. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;

Conditions to Permit 90-353 (continued)

- b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
 - e. To minimize the entrance of fine-grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - g. A protective casing and locking cap is strongly recommended;
 - h. The product recovery wells shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
 - i. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
 - j. All product recovery wells shall be designed so that the product/water interface lies within the perforated interval at all times.
6. DEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of the product recovery wells and sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.
 7. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
 8. The results of any analyses conducted on soil or water removed from these wells or boreholes during the lifetime of the facility shall be provided to the Department of Environmental Quality, Water Quality Division (DEQ/WQD) as soon as they are available or as specified by permit.
 9. Once the hydrocarbon recovery system has been installed, the owner will provide the Water Quality Division with a report that details the well logs and as-built construction details sixty (60) days after installation of this system.
 10. The permittee shall provide one copy of all reports and hydrologic and hydrogeologic investigations submitted to US EPA.
 11. The system is approved for only existing wells DM-24IS, EEI-37, DM-18S, EEI-2, DM-19S, TH-1, EEI-41, EEI-31, RW-305, GCI-109 and the five (5) new additional wells collectively proposed in the permit application as Phase II recovery wells.
 12. The issuance of this permit does not relieve the permittee from obligations

Conditions to Permit 90-353 (continued)

to complete future remedial actions which are and may be required by the Water Quality Division.

13. The issuance of this permit does not alter the requirements of other Water Quality Division permits, except for Condition #21 of Permit #90-051. The deadline for installation and operation of the product recovery (Phase II) portion of the groundwater containment system shall be extended to May 1, 1991.
14. The permittee shall operate the system continuously unless Department of Environmental Quality, Water Quality Division allows other operational plans. The Division shall be notified immediately in the event that the system is not operational for more than 24 hours.
15. Prior to operation of the system, an Operation and Maintenance Manual shall be provided to the division and to all operators.
16. The issuance of this permit does not authorize the degradation of downgradient groundwater. There shall be no degradation of water quality or quantity to down gradient groundwater stemming from the operation of this system.
17. All waste waters from this system shall be treated at the Frontier wastewater treatment plant prior to discharge. The effluent from the wastewater treatment system shall be sampled for four (4) consecutive days after initial system start-up. These samples must be analyzed for TDS, Total Lead, Total Chromium, and modified EPA methods 624 and 625 as defined in Frontier's letter to WQD dated January 10, 1991.
18. In the event that effluent monitoring results indicate levels above the discharge range for any parameter, as set forth in Addendum #1 to Permit #90-051, the NPDES and Groundwater sections of this department shall be contacted immediately.
19. A status report addressing Phase I and II recovery and monitoring wells shall be provided to the Water Quality Division on a monthly basis for two (2) years after the date of system installation and quarterly thereafter. Frontier may request a modification of the monitoring schedule upon completion of the first six (6) months of Phase II system operation. The report shall include, at a minimum, downtime and dates, effectiveness of the system, current recovery well pumping rates and radii of influence, depths to water and product, product thickness, product description, running balances (in gallons) of product and water recovered, system adjustments, and volume determinations (in gallons) of product vs. water from monthly analysis of samples taken from total-fluids recovery wells. EPA Method 413.1, or alternative method approved by this Department, shall be used to determine product/water ratios. Reports shall be submitted under separate cover and are due within 15 days of the end of each month or quarter, as applicable.
20. In the event the system does not operate as planned or effectively recover the product layers, provisions shall be made for correcting the deficiencies. These modifications must be approved by this department prior to initiation. In any event, the product and related dissolved constituents shall be recovered and cleaned up in a timely and diligent manner until released by the DEQ/WQD.
21. The system is not designed nor approved as a means of contaminant containment nor as the sole groundwater restoration system required by this department.

Conditions to Permit 90-353 (continued)

22. A Water Quality Division permit application and design specifications for the proposed hydraulic barrier groundwater containment system shall be submitted to this department by May 3, 1991. Upon WQD approval, the hydraulic barrier groundwater containment system shall be installed and made operational by the scheduled date of October, 31, 1991. The permittee shall not be responsible for WQD delays in reviewing the permit application and will be given a minimum of 120 days after issuance of that permit application for installation of the system.
23. The permittee shall submit a WQD permit application and design specifications for a groundwater restoration system by June 1, 1991. This system must address all contaminant phases associated with facility activities.
24. In addition to the proposed Phase II wells utilized to monitor the effectiveness of Phase II recovery wells, the following wells shall also be included for monitoring purposes: EEI-17, EEI-60, and EEI-81.

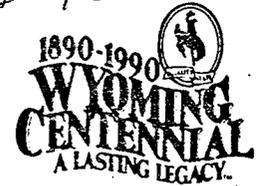
KF/jt

xc: Jake Strohman

90-353



THE STATE OF WYOMING



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

February 22, 1991

Mr. Rob Gronewold
Environmental Engineer
Frontier Refining Inc.
P.O. Box 1588
Cheyenne, WY 82002

RE: Abandonment of monitor wells DM-13, DM-14, EEI-44 and EEI-58

Dear Mr. Gronewold:

Monitor wells DM-14, EEI-44 and EEI-58 have indicated the presence of free product during recent monitoring events (see attachments) and will be important in monitoring future contaminant migration. Monitor well DM-13 is located in an area of sparse well control and provides a valuable point for monitoring fluid levels and water quality.

With respect to the above mentioned wells, it is the Department's position that these wells were installed for the purposes of identifying and monitoring the nature and extent of free product and dissolved constituent groundwater contamination associated with the refinery. As demonstrated by monitoring and analytical measurement, these wells had provided necessary information in characterizing water quality until they became damaged. Consequently, proceed to abandon the wells as proposed and replace each with functional equivalents.

Please submit construction design information for the replacement wells, notifying this Department at least two weeks prior to their installation. These wells may be installed under existing Permit #90-353.

Thank you.

Sincerely,

Kevin D. Frederick
Program Principal
Groundwater Pollution Control
Water Quality Division

KDF/nc
Enclosures
cc: file



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

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FAX (307) 634-0799

Solid Waste Management Program
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Water Quality Division
(307) 777-7781
FAX (307) 777-5973

May 10, 1991

Mr. Rob Gronewold
Environmental Engineer
Frontier Refining Inc.
P. O. Box 1588
Cheyenne, WY 82003-1588

RE: Authorization of 45-day extension to Condition #22 of Permit 90-353

Dear Mr. Gronewold:

With respect to your letter of February 13, 1991 requesting authorization for a 45-day extension of time for submission of the final engineering design of the hydraulic barrier containment system, please be advised the extension is granted. As indicated in the attached revised Gantt chart, engineering design plans and specifications will be submitted by the third week in June.

As we've discussed in the past, the Water Quality Division maintains its resolve that an acceptable containment system address contaminant migration off-site in the northern and eastern areas of the refinery.

Sincerely,

Kevin D. Frederick
Supervisor
Groundwater Pollution Control

KDF/jn

Attachment

cc: IPS File: Permit 90-353
File: Frontier Refining; Permit 90-353
David Christenson, US EPA, Region VIII, Denver



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

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FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

January 14, 1991

Mr. Gerry Faudel
Environmental Manager
Frontier Refining, Inc.
P.O. Box 1588
Cheyenne, WY 82002

Dear Mr. Faudel:

This letter is in response to Frontier's application for a permit to construct a groundwater containment system pursuant to Condition #21 of existing permit #90-051.

Water Quality Division's (WQD) review of the proposal (Containment Plan, Frontier Refinery, September 11, 1990 and revised on November 30, 1990) prepared by Enecotech on behalf of Frontier Refinery involved an analysis and evaluation of both the product recovery portion and the hydraulic barrier portion which comprise the containment system.

At this time, the WQD cannot authorize approval for installation of the proposed containment system because the application does not include the necessary details, plans, and specifications to adequately evaluate the operation and effectiveness of the hydraulic barrier portion of the proposed system.

Although the product recovery portion in and of itself does not constitute a containment system (due to its inability to contain migration of dissolved contaminants), the WQD believes product recovery is a vital and necessary function of groundwater contaminant containment. The WQD agrees with Frontier's proposed product recovery system design and is recommending that the re-submitted permit application (#90-353R) be authorized for installation of the product recovery portion of the containment system only, subject to the conditions attached to the permit.

The WQD agrees with Frontier's concept of utilizing a hydraulic barrier system to control migration of both free product and dissolved constituent groundwater contamination, and expects Frontier to proceed as proposed with the necessary investigative and testing procedures required for the design of an effective system. The procedures described in Frontier's proposal are in line with the technical framework necessary for proper design of such a system,

Mr. Gerry Faudel
January 14, 1991
Page 2

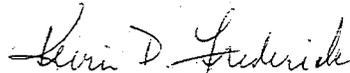
however, additional concerns may present themselves for analysis as information is gathered through the investigative process. Frontier is reminded that the installation of additional boreholes and wells associated with the hydraulic barrier system require permit approval through this office. Monitor well installation also requires permit authorization through the State Engineer's Office (SEO). The SEO also requires notification of plugging and abandonment of monitor wells.

Upon completion of the final design and report (scheduled for early May, 1991 as per the proposal) of the proposed hydraulic barrier system, please submit a permit application and supporting information for WQD review of adequacy and effectiveness of the system. Provided that the final design is representative of an effective system which will contain contaminant migration (free product and dissolved constituents), the WQD anticipates authorization for installation of the system. Please note that WQD believes that any proposed containment system which fails to address containment of contaminants along the northern and eastern perimeters of the facility will likely be considered inadequate. Within thirty (30) days of receipt of this letter, please provide WQD a work schedule for the design and installation of the hydraulic barrier system, including a discussion of any modifications to the existing proposal. Any WQD approval or authorization of a hydraulic barrier system utilizing groundwater recovery for contaminant containment purposes does not reflect an implied preference for 'pump and treat' remediation technology. WQD anticipates that Frontier will evaluate any groundwater treatment technology that will provide effective and efficient restoration of groundwater associated with the Cheyenne facility.

WQD acknowledges Frontier's implied need (refer to your letter of October 26, 1990) for an extension of the January 1, 1991 deadline for operation of the containment system and is willing to grant an extension for operation of the product recovery system. The new deadline will be May 1, 1991. The proposed schedule date of October 31, 1991 for the barrier system completion date will remain in effect.

Please feel free to contact me if you have any questions or concerns.

Sincerely,



Kevin D. Frederick, CPG
Program Principal
Groundwater Pollution Control
Water Quality Division

KDF/jt

cc: William Garland, DEQ/WQD, Cheyenne
Jake Strohman, DEQ/WQD, Cheyenne
Steve Jones, Senior Assistant Attorney General, Cheyenne
David Christenson, US EPA, Region VIII, Denver

file

PERMIT TO CONSTRUCT

PERMIT NO. 90-354
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

SEMINOE STATE PARK VAULT TOILET

This permit hereby authorizes the applicant:

Wyoming Dept. of Commerce, State Parks and Historic Sites
2301 Central Ave., Barrett Building
Cheyenne, WY 82002

to construct, install or modify vault toilet according to the procedures and conditions of the application number 90-354. The facility is located in Sec 16 T25N R84W, Sec 4 T24N R84W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

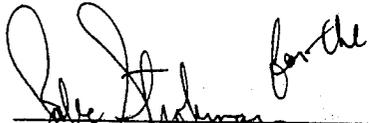
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The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

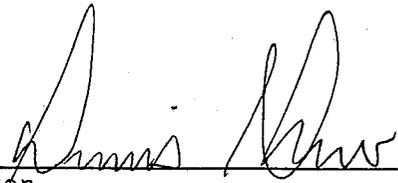
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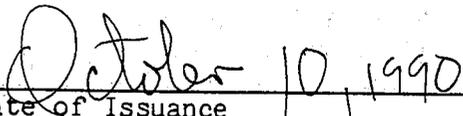
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS TO PERMIT TO CONSTRUCT #90-354

These vault toilets must be cleaned annually or whenever more than 75% full. The waste shall be transported to a municipal waste treatment system serving a community of 2000 or more people for disposal.

LBH\mad

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-355

RUBALD HOME
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

TIMOTHY M. and TERRY E. RUBALD
SR 2 Box 47
Sundance, Wyoming 82729

to construct, install or modify a septic tank and leach field wastewater disposal facility according to the procedures and conditions of the application No. 90-3559. The facility is located in Section 8, T.52N., R.65W., in the County of Crook in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

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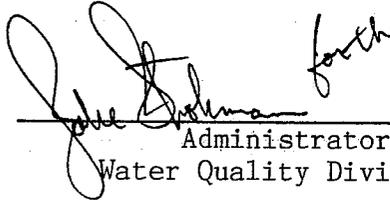
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Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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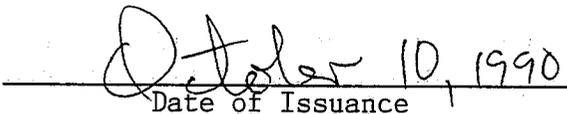
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

PB:pr

RE

PERMIT TO CONSTRUCT

PERMIT NO. 90-356
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

FALCON RIDGE STATE 33-36

This permit hereby authorizes the applicant:

Presidio Oil Company
3250 Hackathorne
P.O. Box 2080
Gillette, Wyoming 82716

to construct, install or modify deep groundbed anode system according to the procedures and conditions of the application number 90-356. The facility is located in Section 36, NW $\frac{1}{4}$ SE $\frac{1}{4}$, Township 50 North, Range 71 West in the county of Campbell, in the State of Wyoming. This permit shall be effective for a period of five years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

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The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

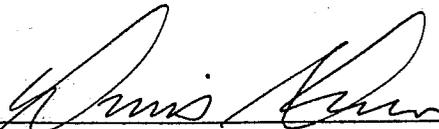
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

September 28, 1990
Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS TO PERMIT TO CONSTRUCT #90-356

1. The cathodic protection deep anode groundbed shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 90-356.
2. After the deep anode bed has fulfilled its useful purpose, it shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. Within 15 days after the well is plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
3. In addition to the anode bed construction information submitted with the permit application, the following items relating to well construction must be addressed when the well is installed:
 - a. A bentonite grout seal shall installed for a minimum depth of 3 feet from the surface and also just above the coke breeze for a minimum thickness of 3 feet. The remainder of the hole between these seals may be backfilled with drill cuttings.
 - b. All aquifers encountered while drilling shall be isolated from one another using a bentonite seal of at least 2 feet in vertical dimension.
 - c. The coke breeze shall be a high quality product containing a minimum of leachable metals, or organic pollutants.
4. Within 45 days after the well is installed, as built construction plans shall be submitted to the Department of Environmental Quality, Water Quality Division, detailing that the groundwater was protected during the installation of the groundbeds.

Conditions to Permit 90-356 (continued)

5. Up to 25 similar anodes may be installed during the term of this permit and in the same township covered by this permit. All installations are to have similar construction specifications.

RL/nc

90-357

HARMON

Chevron Service Station #7-0403 B

9/21/90

UR

11/21/90

10/11/90 AW (Same as 90-338)
11-13-92 no letter in file - Copy of
card in file

90-358

GERBER

Canyon Village

9/24/90

UR

11/24/90

9/24/90

KS

J. Hermansky

12-10-90

ur

02-10-91

1-15-91

RS

2/19/91

WR

4/21/91

2/22/91

EP

no ltr in file

IPS



THE STATE OF WYOMING



JIM GERINGER
GOVERNOR

Department of Environmental Quality

250 Lincoln Street • Lander, Wyoming 82520-2848 • Fax (307) 332-7726

ABANDONED MINES (307) 332-5085	AIR QUALITY (307) 332-6755	LAND QUALITY (307) 332-3047	SOLID & HAZARDOUS WASTE (307) 332-6924	WATER QUALITY (307) 332-3144
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February 14, 1995

Mr. John Lawson
U.S. Bureau of Reclamation
P.O. Box 1630
Mills, WY 82644-1630

RE: APPLICATION WITHDRAWN:
Seminoe Dam Work Camp Wastewater Disposal Field,
Application 90-359

Dear Mr. Lawson:

Your response to our project status request letter for the above referenced "permit to construct application" indicates the project is no longer planned for construction. The application is considered inactive and is being returned.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and is punishable with fines. If you wish to reconsider construction of this facility, then it will be necessary to reapply.

Thank you for your response to clear up this matter.

Sincerely,

Randall Taylor
Water Quality Division
S.W. Dist. Engr. Supervisor

xc: IPS

Enclosure

RECEIVED

PERMIT TO CONSTRUCT

RF.

PERMIT NO. 90-360
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

BARR NUNN BAPTIST CHURCH - COLLECTION SYSTEM

This permit hereby authorizes the applicant:

Mountain View Baptist Church
4250 Poison Spider Road
Casper, WY 82604

to construct, install or modify Collection System according to the procedures and conditions of the application number 90-360. The facility is located in SE Section 17 Township 34N Range 79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

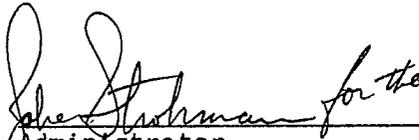
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

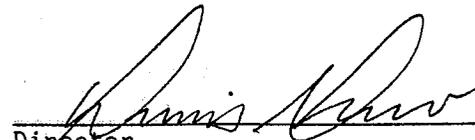
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

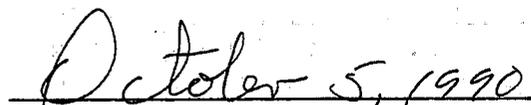
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

SCF/jn

PERMIT TO CONSTRUCT

PERMIT NO. 90-361

X New
Renewal
Modified

West Flat, Hillside, Broadway Waterline Replacement

This permit hereby authorizes the applicant:

Rock Springs/Green River/Sweetwater County
Joint Powers Board
P O Box 158
Green River, WY 82935

to construct, install or modify replacement waterline according to the procedures and conditions of the application number 90-361. The facility is located in Section 35, T19N, R105W in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

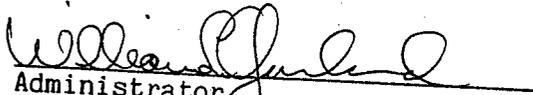
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; telephone (307) 332-3144.

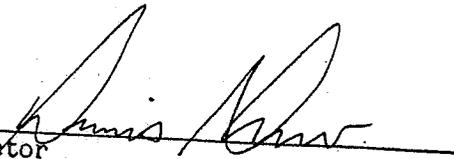
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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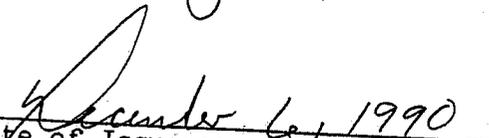
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance December 6, 1990

This permit does not supersede the requirements for obtaining any permit from local agencies.

SR/nc

RF.

PERMIT TO CONSTRUCT

PERMIT NO. 90-362
SEE SPECIAL CONDITIONS

- X New
- Renewal
- Modified

TOOLPUSHERS SUPPLY COMPANY - COLLECTION SYSTEM

This permit hereby authorizes the applicant:

True Drilling Company
P O Drawer 2360
Casper, WY 82602

to construct, install or modify Collection System according to the procedures and conditions of the application number 90-362. The facility is located in SW Section 4 Township 33N Range 79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

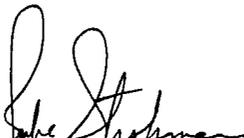
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

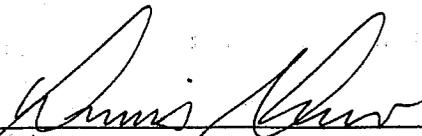
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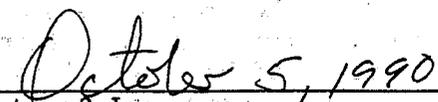
AUTHORIZED BY:

 for the

Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS FOR PERMIT TO CONSTRUCT #90-362

1. The thickness of oil floating of the surface of the wastewater and the depth of sand, sediments or sinking chemicals at the bottom of the treatment tanks must be measured with a stick calibrated to the nearest inch. These measurements must be done and recorded on a weekly basis to determine if these layers need to be removed. The recorded figures must be kept current and on site for inspection if necessary. If an automatic level indicator is to be used, information must be submitted to the Water Quality Division which describes the proposed equipment.
2. When it becomes necessary to remove the free chemicals, sand or sediments from the treatment tanks, the oil can be taken to a oil recycler. However, the chemicals and sediments on the bottom of the tank must be taken to an approved industrial waste disposal facility. The facility in Casper capable of accepting these types of wastes is the Casper Wastewater Treatment Facility.

SCF/jn

RF



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

December 10, 1991

Renee Taylor, Environmental Coordinator
True Drilling Company
P. O. Drawer 2360
Casper, WY 82602

Re: Modification of Permit No. 90-362

Dear Renee:

The point you make in your letter of November 19, 1991 is valid. This letter modifies Condition #1 of Permit to Construct #90-362.

Condition #1 is reworded to read as follows:

1. A log of sump maintenance shall be maintained on site and available for DEQ/WQD and Casper Public Utility inspections. The quantities and dates of removal of floating wastes and sediments shall be recorded. At least quarterly the depth of sediment in the sump shall be measured and recorded (This condition remains unchanged as written in DEQ/WQD Permit 90-362 dated October 5, 1990.) Your efforts to comply with the permit conditions are appreciated. Experience has demonstrated that the monitoring need not be done on a weekly basis and we are glad to make reasonable adjustments in the requirements. Please attach a copy of this letter to your copy of Permit #90-362.

Sincerely yours;

William L. Garland
Administrator
Water Quality Division

WLG/LBH/jn
12964.ltr

cc: Archive File #90-362
Casper Wastewater Treatment Plant
Lou Harmon, DEQ/WQD

PERMIT TO CONSTRUCT

PERMIT NO. 90-363
SEE SPECIAL CONDITION

- X New
- Renewal
- Modified

NOWCAM SERVICE WASTEWATER TREATMENT FACILITY

This permit hereby authorizes the applicant:

Camco International, Inc.
c/o Robert Johnson
7030 Ardmore Street
Houston, TX 77054

to construct, install or modify a package biological treatment facility according to the procedures and conditions of the application number 90-363. The facility is located in Section 28, Township 34 North Range 80 West NE $\frac{1}{4}$ NE $\frac{1}{4}$ (Lot 1 B&L Industrial Acres) in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of five (5) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

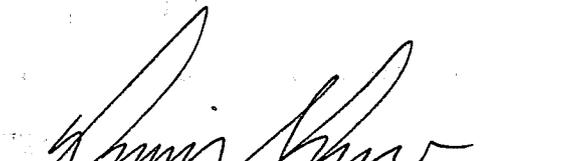
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

12-5-91

Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

Condition for Permit to Construct 90-363

1. Whenever the COD limitation on Wyoming discharge permit WY-0034991 is violated, Camco shall immediately analyze the influent and effluent from this plant for VOC's using EPA Method 624. These results shall be reported along with the next required report under WY-0034991.

RL/jn

cc: Robert Lucht, DEQ/WQD
Lou Harmon, DEQ/WQD
Nowcam Service, P. O. Box 309, Mills, WY 82644



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

November 28, 1990

Wyoming National Ban Corporation
ATTN: A. R. Ostlund
P O Box 2799
Casper, WY 82602

RE: Permit to Construct Application Number 90-364

Dear Mr. Ostlund:

The Department of Environmental Quality, Water Quality Division, has reviewed your application (#90-364) for a permit to construct groundwater monitoring wells for your Tri-State Steel property at NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 1, T13N, R67W, Laramie, County. The Water Quality Division has determined that the system meets the minimum design standards.

Nothing in this letter constitutes an endorsement of the construction or the design of the facility described herein. This letter indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for and does not in any way guarantee the performance of the activities allowed under this letter. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this letter, the state does not in any way waive its sovereign immunity.

Since your system has already been constructed, a permit to construct cannot be issued. This letter is your record that the groundwater monitoring wells installed meets minimum state specifications and has been approved by the Wyoming Department of Environmental Quality, Water Quality Division.

In the future if you are to build groundwater monitoring wells, you must apply for a permit to construct prior to construction to avoid enforcement action.

Sincerely,

William L. Garland
Administrator
Water Quality Division

WLG/DM/jt



THE STATE

OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

Air Quality Division
(307) 332-3144

Land Quality Division
(307) 332-3047

Solid Waste Management Program
(307) 332-3144

Water Quality Division
(307) 332-3144

November 29, 1990

ARCHIVES

Lidstone and Anderson, Inc.
ATTN: Katherine Landon
736 Whalers Way, Suite F-200
Ft. Collins, CO 80525

RE: Day Loma Monitor Wells 90-365

Dear Kate,

This office has completed a review of the as-built monitor well installed at the Day Loma area in the Gas Hills. The wells were apparently constructed in accordance with the Water Quality Division (WQD) regulations and therefore are granted authorization. Since the WQD is not involved in the monitoring of this project, the WQD is authorizing the well construction only, not an investigation and monitoring plan. When the wells are taken out of service, they must be properly abandoned in accordance with the WQD regulations.

For future reference, please be advised that it's a violation of WQD regulations to construct without first securing a permit. Additionally, please be sure to have the property owner sign the application form.

Thank you for your cooperation.

Sincerely,

Jeff Hermansky
Jeff Hermansky, P.E.
Water Quality Evaluator
Water Quality Division

JH/jyi

cc: Mark Moxley, DEQ/LQD, Lander
plans (2)
file

*Cheyenne
As Built*

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-366R
SEE SPECIAL CONDITION

X New
Renewal
Modified

VICKERS STATION #2746 OIL/WATER SEPARATOR

This permit hereby authorizes the applicant:

Total Petroleum, Inc.
999 18th Street, Suite 2201
Denver, CO 80201-500

to construct, install or modify an oil/water separator according to the procedures and conditions of the application number 90-366R. The facility is located in SE/SW Section 5 Township 13 North Range 66 West in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

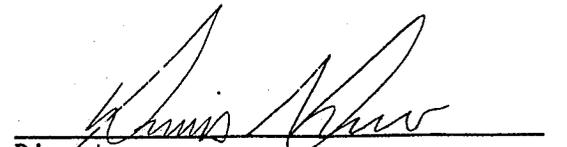
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

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AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

May 17, 1991

Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITION TO PERMIT TO CONSTRUCT #90-366

1. A sampling program as described in the Revised Environmental Response Program must be submitted to this division for approval within 60 days of issuance of this permit.

SCF/nc

cc: Mark McClain, Enecotech, Inc., 1580 Lincoln St., Suite 1000, Denver, CO 80203



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

August 3, 1992

Mr. Mike Brown
Manager, Environmental Services
Total Petroleum, Inc.
P.O. Box 500
Denver, CO 80201-0500

RE: WY0035238, Vickers Station #2746

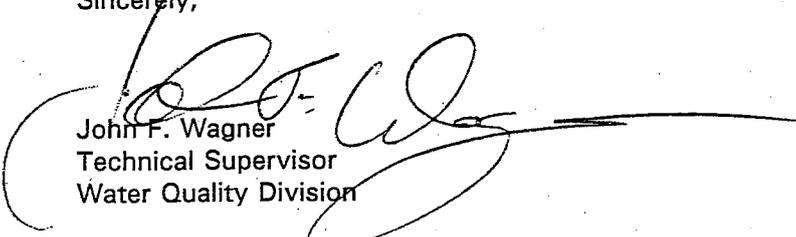
Dear Mr. Brown:

Lou Harmon and I have reviewed your letter of July 13, 1992 concerning your proposals for runoff control at Vickers Station #2746 in Cheyenne, Wyoming. Our comments are as follows:

1. The NPDES discharge permit will be inactivated upon receipt of written notification that the discharge pipe from the oil/water separator has been removed or permanently plugged.
2. We are concerned that unless the grating and trenches around the fuel islands are recessed, a significant amount of the washwater will flow across the grating and will not be collected by the trench. This comment is based on Mr. Harmon's visual inspection of the current situation.
3. We are somewhat skeptical of the practicality of pumping and hauling the water from the oil/water separator. Did you investigate the possibility of connecting directly to the sanitary sewer?
4. We strongly recommend that the outlet pipe from "System 2" have a plug which can be quickly put in place should you experience spillage of fuel or other material on the parking area.

If you have questions or comments, please feel free to contact me.

Sincerely,


John F. Wagner
Technical Supervisor
Water Quality Division

JFW/nc 22409.LTR
cc: Lou Harmon, DEQ/WQD, Cheyenne

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-367

Community Alternatives of Sweetwater County
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Community Alternatives of Sweetwater Co., Inc.

P.O. Box 579

Rock Springs, WY 82902

to construct, install, or modify a two - 3,000 gallon temporary holding tanks and a permanent 6" diameter PVC sewer service facility according to the procedures and conditions of the application No. 90-367. The facility is located in Lot 21, Foothills Subdivision, Section 7, T18N, R105W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

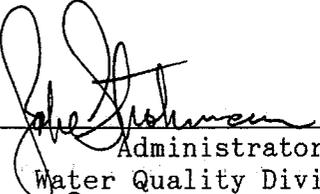
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

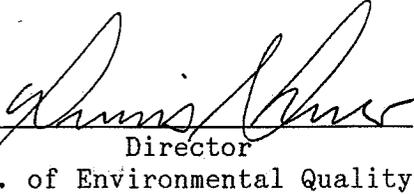
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

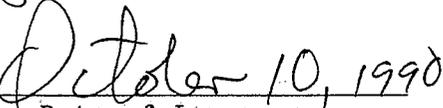
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

Condition

- 1) The two 3,000 gallon holding tanks shall only be utilized for one year. A permanent connection to the Inter City Sewer System shall be complete prior to one year after issuance of this permit.

BL/anc



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

January 23, 1991

CERTIFIED

Mr. Gary Johnston
719 Artesian Road
Cheyenne, WY 82007

RE: Application for permit to construct 90-369, installation of water meters

Dear Mr. Johnston:

As it appears that your intentions to install water meters at the Artesian Mobile Home Park have been put on hold for the time being, the drawings submitted are being returned to you (enclosed). I have also enclosed an application form which must be used if you decide to proceed with this at some future date in order to apply for a permit to construct. Since the installation of meters in the water system constitutes a modification to the system, a "permit to construct" must be obtained before the meters can be installed. Any unpermitted modification to the system is considered to be a violation of the Wyoming Environmental Quality Act.

Sincerely,

Maggie Davison
Senior Analyst
Water Quality Division

MGD/jn

Enclosures

cc: Don Hopkins

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: ARTESIAN MOBILE HOME PARK

ENGINEER: DON HOPKINS
216 EAST 17 STREET
CHEYENNE, WY 82001
307-632-4763

APPLICANT: GARY JOHNSTON
719 ARTESIAN ROAD
CHEYENNE, WY 82007

WATER QUALITY DIVISION REFERENCE NUMBER: 90-369

REVIEWING OFFICIAL: MAGGIE DAVISON

APPROVING ENGINEER: LOUIS B. HARMON

DATE OF REVIEW: October 18, 1990

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

1. An application form for permit to construct must be completed and submitted to the department.
2. A plan of the entire system showing each point where a meter is to be installed must be provided.

MD/nc



PERMIT TO CONSTRUCT

PERMIT NO. 90-370
SEE SPECIAL CONDITION

X New
Renewal
Modified

UNION PACIFIC RAILROAD - WWTF MODIFICATION

This permit hereby authorizes the applicant:

Union Pacific Railroad
1416 Dodge Street
Omaha, NE 68179

to construct, install or modify a Collection System according to the procedures and conditions of the application number 90-370. The facility is located in NE Section 6 Township 13N Range 66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

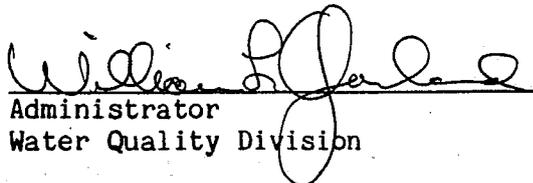
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

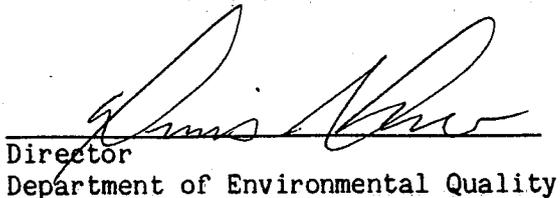
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

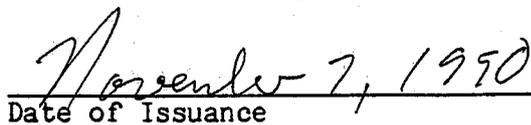
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITION TO PERMIT TO CONSTRUCT #90-370

1. Where the proposed discharge line crosses the 6" water line, an 18" clearance or casing must be provided.

SCF/jn

cc: Cheyenne Board of Public Utilities

PERMIT TO CONSTRUCT

New

Permit No. 90-371

Renewal

Modified

Zier Septic Tank/Leach Field
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Ted Zier

P. O. Box 483

Greybull, WY 82426

to construct a septic tank/leach field facility according to the procedures and conditions of the application No. 90-371. The facility is located in SW 1/4 NE 1/4 Sec. 21, T51N, R93W in the County of Big Horn, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities,

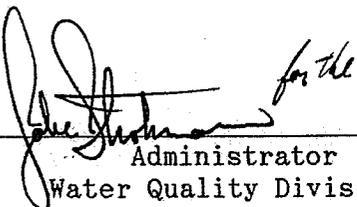
at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

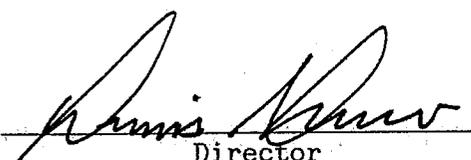
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

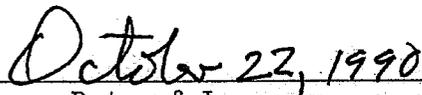
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH/jyi

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-372
Ref Permit No. 89-538

Wyoming State Highway Department, Maintenance Shop, Afton, WY
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Wyoming Highway Department

P. O. Box 1708

Cheyenne, WY 82002-9019

to construct a polyethylene drain pipe, geosynthetic lined evaporation pond and leak detection system facility according to the procedures and conditions of the application No. 90-372 and 89-538. The facility is located in SE 1/4 Sec 24, T32N, R119W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

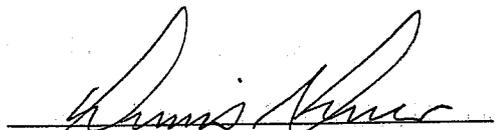
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

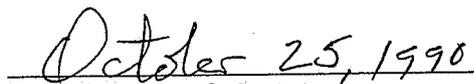
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

SR/jyi

file

PERMIT TO CONSTRUCT

PERMIT NO. 90-373
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

SKYLINE ROAD WATERMAIN EXTENSION

This permit hereby authorizes the applicant:

Casper Board of Public Utilities
200 North David
Casper, WY 82601

to construct, install or modify Distribution System according to the procedures and conditions of the application number 90-373. The facility is located in Sections 26 & 27 Township 33N Range 80W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

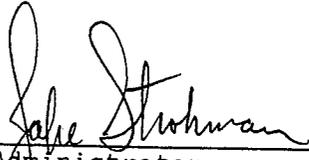
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

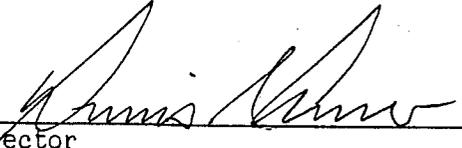
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

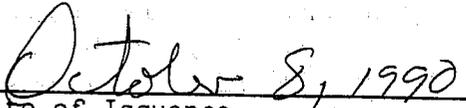
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS TO PERMIT TO CONSTRUCT #90-373

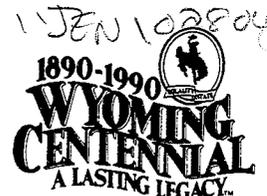
1. The distance between valves should not exceed 800' in residential districts as per Chapter XII, Section 14(c) of the Water Quality Division rules and regulations.

SCF/jt



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

November 1, 1990

Coastal Chem Inc.
ATTN: Michael Patton
P. O. Box 1287
Cheyenne, WY 82003

Re: Permit Application for Waste Water System, MBTE Plant

90-374

Dear Mr. Patton:

On October 3, 1990, DEQ/WQD received your application for a permit to construct, ENSR Document 7434-001. After review and discussions with Mr. Patton, it appears that a permit is not required for the proposed modifications. The modifications being made are considered to be part of the industrial process rather than part of the waste treatment train. Consequently the permit application is being returned without action.

The permit for the additional injection well is still a requirement of course. Please continue your communications with Bob Lucht of this division for this matter.

There remains an issue of groundwater contamination from past operations at the site. Bob Lucht will be working with you to address a comprehensive review of the nitrate contamination.

Sincerely;

Louis B. Harmon PE
Southeast District Supervisor
Water Quality Division

cc: Bob Lucht, DEQ/WQD, UIC Program



THE STATE OF WYOMING



JIM GERINGER
GOVERNOR

Department of Environmental Quality

Herschler Building ● 122 West 25th Street ● Cheyenne, Wyoming 82002

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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August 21, 1995

Phil Morrow
Coastal Chem
P.O. Box 1287
Cheyenne, Wyoming 82003

RE: Coastal Chem Injection Wells
Permit UIC 90-375, class-I
Laramie County, Wyoming

Dear Mr. Morrow:

I want to complement you on the excellent meeting on June 29, 1995. The Water Quality Division (WQD) and Coastal Chem, Inc. agreed to certain courses of action which will help ensure compliance with WQD regulations in a cost effective manner. The Water Quality Division initiated this meeting to start a new relationship with Coastal, one based on mutual respect and understanding of goals and expectations. Coastal agreed to provide timetables indicating when each course of action will be implemented in order to continue this new spirit of communication and understanding. The Water Quality Division also agreed to make changes in the permits and to provide guidance as needed. The following are the main points which were discussed and our understandings of the results of those discussions:

➤ Coastal agreed to continue its efforts to replace existing unlined trenches with lined trenches on an orderly schedule. Coastal agreed to provide a progress report and replacement schedule for this work. Coastal Chem has committed to repairing all known leaks in Ponds 4 and 5 and to replacing the liner in Pond 3. Coastal has already budgeted to replace Pond 3 liner and has now applied for the permit, and has agreed to commence construction upon receipt of the permit. The Water Quality Division agreed to issue the permit quickly for the installation of the new liner in Pond 3. Coastal also wanted to know if a different designed trench would be acceptable. The Water Quality Division agreed that the proposed alternate design was acceptable. Coastal has now applied for and been granted a permit for such a modification.

➤ Coastal agreed to provide, and has now provided, a draft plan for determining when corrective action will be required when a leak detection sump contains water. The Water Quality Division agreed that such a plan may include maximum leakage rates which can be tolerated in each leak detection system before it is necessary to find and repair the leaks. The plan submitted is acceptable with the following exceptions:

1. Any leakage rate of 41 gallons per day must require that Coastal pump the sumps out on a daily basis until the liner has been repaired.
 2. The Water Quality Division believes that a leak detection contractor should be pre-selected by Coastal so that it is not necessary to go to bid after a leak has been discovered. The Water Quality Division understands the relationship between weather conditions and Coastal's ability to repair leaks. At the same time, in 4 to 6 months it should be possible to repair most leaks, particularly if the leak detection contractor has been pre-selected against this need.
 3. Coastal has repeatedly made the point that a 100,000 square foot liner will always have some leakage. In response to this, the Water Quality Division can point to many cases where ponds of this size have existed for over 20 years and still have dry leak detection systems. Coastal should understand that it is entirely achievable to have a zero discharge pond lining system that does not leak.
- » Coastal Chem shall continue to maintain its existing groundwater remediation efforts to restore the shallow aquifer (in this case, this means the entire contaminated section of the Ogallala aquifer which resulted from Coastal's operations) to class I standards. Both Coastal and the Water Quality Division concurred that the Ogallala aquifer is class I groundwater of the state. Coastal stated that they intend to maintain personnel on the site in the event of plant closure for as long as necessary to achieve overall compliance with groundwater standards. The Water Quality Division pointed out that relatively minor corrective actions now could potentially shorten that time considerably.
- » Coastal Chem shall continue to maintain the existing monitoring wells and trench pumpback system on Corlett and Clear Creek with the goal of eliminating downgradient pollution in the shallow aquifer. Coastal has already installed flow meters on the various water stream from the Corlett and Clear Creek interceptor system, the various recovery wells, etc. and agreed to submit that information.
- » Coastal Chem shall report immediately significant violations such as overtopping of the wastewater ponds and leaks found by the pond leak detection sump as required. Coastal agreed to submit a plan for determining when a significant leak has occurred and to comply with that plan after approval.
- » Coastal Chem agreed to evaluate the existing groundwater monitoring network and determine if it is capable of providing a complete picture of the extent of contamination in the shallow aquifer. Coastal agreed to study the existing monitor well network and augment the existing wells where necessary. The Water Quality Division agreed to train Coastal personnel, in groundwater monitoring, including contouring of groundwater gradients and interpreting results. Water Quality Division will further agree to assist Coastal in making the study of the groundwater monitoring network and assist in locating additional wells if required. Based on the monitoring system evaluation, the Water Quality Division may require additional monitoring points near the wastewater ponds to determine if additional contamination is being introduced to the aquifer, and additional monitoring points outside of the interceptor systems to insure that the total extent of contamination is known. Additional water level monitoring along the existing cutoff trench may also be required. It was agreed to defer concrete commitments until the monitoring well network can be studied further. Water Quality Division agreed

Phil Morrow
August 21, 1995
Page 3

to evaluate the frequency of sampling and reporting to ensure that a more thorough knowledge is gained of what is occurring on site. We hoped to complete the evaluation of well locations and spacing within the next two months.

➤ Coastal Chem stated its intent that the Class I injection wells will be operated in full compliance with all aspects of the permit to inject. This requires that: reports of noncompliance are to be handled as required by section I of the injection permit; a pressure falloff test on one well are to be conducted by November 1 of each year as covered by the permit. The Water Quality Division has already drafted a new permit which will cut the number of falloff tests from three to one per year.

➤ Coastal Chem pointed out that the class I injection permit presently contains a limitation on the methanol content of the waste at 250 mg/l. The Universal Treatment Standard (UTS) adopted on September 19, 1994 for methanol is 5.6 mg/l. The UTS is part of the Land Disposal Restriction of RCRA and does apply to deep injection wells. Coastal expressed concern that the injection permit was not in compliance with this requirement and that could invite RCRA enforcement in some way. The Water Quality Division agreed to draft a replacement permit to change this limit and to eliminate the requirement to analyze for chromium at the same time. The new permit will also clarify other points which have been troublesome in the past. The Water Quality Division also agreed to finalize its Five Year Review for the injection wells in preparation for issuing a new permit. The Five Year Review has been finalized and forwarded to you.

While not a requirement by this department, Coastal Chem agreed to evaluate pollution prevention alternatives such as recycling and processing changes to minimize the total volume of pollution requiring disposal. Coastal agreed to file a report with the department describing the results of its evaluations.

Sincerely,


Robert Lucht, P.E.
UIC Program Supervisor
Water Quality Division

95-294 is
new permit

RL/nc 53098.LTR

Run File



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

January 7, 1991

Mike Patton, P.E. Technical Manager
Coastal Chem
P.O. Box 1287
Cheyenne, Wyoming 82003

RE: Coastal Chem Injection Wells
Application for modification 90-375
Laramie County, Wyoming

Dear Mr. Patton:

The public comment period on the above referenced permit ended on December 15, 1990 with no comments received by this office. Enclosed please find the new permit which will allow for the drilling of two additional wells. Other than that one change, this permit is virtually identical to the previous permit.

Sincerely,

A handwritten signature in cursive script that reads "Robert Lucht".

Robert Lucht, P.E.
UIC Program Supervisor
Water Quality Division

RL/jn

Enclosure

xc: Jake Strohmman, DEQ/WQD

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE OF WYOMING
GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

() New

Permit Number:

(X) Modified

UIC 90-375

UIC CLASS I

Reference old permits: UIC 81-966R, UIC 84-009R, UIC 89-192

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter IX (September 4, 1980),

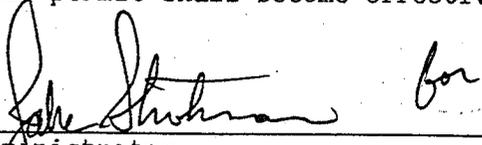
Coastal Chem, Inc.
P.O. Box 1287
Cheyenne, Wyoming 82003
(307) 634-5981

is authorized to operate

The Coastal Chem Deep Injection Well System consisting of Well Number 1 in the SW 1/4 NW 1/4, Section 16, Well Number 2 in the NE 1/4 SE 1/4, Section 17, Well Number 3 in the NW 1/4 SE 1/4, Section 17, Well Number 4 in the NW 1/4 SE 1/4, Section 17, all in Township 13 North, Range 67 West, of the 6th Principal Meridian; according to the procedures and conditions of application 81-966, 84-009 and 90-375 and requirements and other conditions of this permit

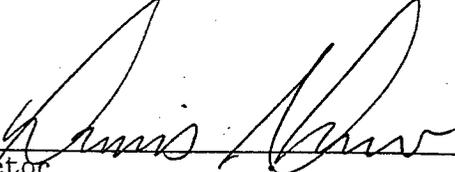
according to procedures and conditions of the application UIC 90-375 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.



Administrator
Water Quality Division
Herschler Building, 122 W. 25th
Cheyenne, WY 82002
Phone: (307) 777-7781

1-8-91
Date



Director
Department of Environmental Quality
Herschler Building, 122 W. 25th
Cheyenne, WY 82002

1-9-91
Date

A. Discharge (Injection) Zone and Area of Review

Discharge Zone

This injection well is authorized to inject into the Hygiene Member of the Pierre Shale Formation which is/are found in the well bore from 5,807 to 6,309 feet below the ground surface in Well Number 1 and from 5,817 to 6,190 feet below the ground surface in Well Number 2. Coastal Chem shall provide the exact interval in Wells #3 and #4 after installation of these wells. Additional perforations may be installed within the above named interval of the authorized Formation with the prior approval of the Water Quality Division.

The packer set on the bottom of the tubing shall be set within 500 feet of the top of the authorized discharge zone.

Area of Review

The well(s) authorized by this permit is/are located in:

Township 13 North, Range 67 West, 6th Principal Meridian
Section 16: SW1/4NW1/4 (Well Number 1)
Section 17: NE1/4SE1/4 (Well Number 2)
Section 17: NW1/4SE1/4 (Well Number 3)
Section 17: NW1/4SE1/4 (Well Number 4)

The Area of Review around these wells is legally described as:

Township 13 North, Range 67 West, 6th Principal Meridian
Section: 8: S1/2, S1/2
Section: 9: S1/2
Section: 15: W1/2W1/2
Section: 16: All
Section: 17: All
Section: 20: N1/2
Section: 21: NW1/4, N1/2NE1/4

The above area of review is based on the following assumptions:

Time of Operation: 46 Years (Total of 16,790 Days)
Porosity: 20%
Maximum Injection Rate: 450 gpm (648,000 gpd or 15,428 bpd)
Thickness of Receiver: 216 feet

The above assumptions lead to a radius of fillup of 3291 feet assuming that injectate moves radially outward from the points of injection. The above area of review has been set assuming that all injectate can go into any of the four authorized wells. This permit does not allow all 450 gpm to be injected into any one well; each well is further limited to 350 gpm.

The original investigation for Well Number 2 was conducted for a 3 mile radius about the midpoint between wells 1 and 2, with pressure buildup investigation out to 20 miles.

B. Groundwater Classification

The groundwater in the hygiene sandstone member of the Pierre Shale Formation within the area of review has been designated Class VI groundwater of the state, based on the prior use of this location for industrial wastewater disposal (UIC 81-966R and UIC 84-009R and UIC 89-192); and because the depth of the hygiene sandstone member of the Pierre Shale Formation is such that economical use of any waters from this formation is not practical.

C. Authorized Operations

The permittee is authorized to inject 450 gallons per minute (15,428 barrels per day or 648,000 gallons per day) as a total of all four wells; any of the four wells operating separately is authorized to inject 350 gallons per minute (12,000 barrels per day or 504,000 gallons per day) of industrial wastes as described:

The permittee is authorized to inject industrial wastes as generated by the manufacture of Ammonium Nitrate, Urea, Anhydrous Ammonia, Dry Ice, Methyl Tert-Butyl Ether (MTBE), and Methanol, and to inject storm runoff water from the plant site, and to inject waters collected in various surface and groundwater remediation programs at the site.

The composite wastewater stream is composed of:

<u>SOURCE</u>	<u>AVERAGE GPM (1)</u>	<u>% OF TOTAL</u>
Boiler Blowdown	35	15.3
Process Condensate (2)	20	8.8
Cooling Tower Blowdown	105	46.0
Monitoring Wells	5	2.2
Corlette Creek Sump	30	13.2
Interceptor Trench	12	5.3
Storm Runoff	16	7.0
Area Washdown (3)	5	2.2
TOTALS:	228	100.0

(1) Will vary throughout the year due to plant operating conditions and weather conditions.

(2) Process Condensate is condensed water vapor and/or steam.

(3) Area Washdown is raw plant water used to washdown the outside of plant equipment.

The composite injection stream may also contain a small amount of Nalco 7801 corrosion inhibitor. Approximately 4-1/2 gallons of inhibitor is used per day. Nalco 7801 is an aqueous solution of alkonal amine phosphate ester and ethylene glycol. Nalco 7801 has been evaluated from information submitted by the applicant and does not meet the definition of hazardous waste under RCRA.

The composite injection stream may also contain a small amount of Betz GCP-188 deposit control additive. Approximately 9 gallons of Betz GCP-188 is used per day. Betz GCP-188 deposit control additive has been evaluated from information submitted by the applicant not meet the definition of hazardous waste under RCRA.

The permittee is authorized to inject at a pressure of no more than 930 psig as measured at the wellhead. The pressure of injection shall be continuously monitored and recorded on a chart recorder.

Within the first six months of operation, the permittee shall conduct a step injection test to determine the actual fracture pressure of the formation. After this test, and subsequent approval by the Administrator, the injection pressure shall be limited to 90% of the fracture pressure as measured at the surface. The permittee may conduct additional step injection tests at a later time to determine changes in the fracture pressure as the injection continues. After acceptance by the Administrator of these tests, the permittee shall limit the injection pressure to 90% of the new fracture pressure as measured on the surface.

The permittee shall monitor continuously the pressure on the casing/tubing annulus and shall maintain a positive pressure on that annulus. The pressure maintained shall be not less than 200 psig nor more than 600 psig.

The wastes injected shall be from operations described by the following SIC codes: 286 and 287.

The permittee may inject other wastes with prior approval of the Administrator.

In the event that the injection pressure and/or rate in any of these wells exceed authorized limitations such excessive rate or pressure is a violation of this permit and shall be reported pursuant to Section I.6 of this permit. To insure that this condition is met, the permittee shall post signs as follows on the interior of the injection plant and on all wellhead shelters:

COASTAL'S INJECTION PERMIT REQUIRES NOTIFICATION OF THE WATER QUALITY DIVISION 777-7095 WHENEVER THE INJECTION VOLUME EXCEEDS 350 GALLONS PER MINUTE IN ANY SINGLE INJECTION WELL OR A TOTAL OF 450 GALLONS PER MINUTE IN ALL WELLS TOGETHER. THIS PERMIT ALSO REQUIRES IMMEDIATE NOTIFICATION ANYTIME THE PRESSURE AT THE WELLHEAD EXCEEDS 930 PSIG. NOTIFY THE CHIEF ENGINEER IF ANY OF THESE VALUES ARE EXCEEDED.

The above wording shall be prepared on a steel or fiberglass sign with red lettering a minimum of 1 inch high and shall be maintained in good condition at all times.

Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined by 40 CFR 261. Injection of any substance defined as hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

D. Proper Operation and Maintenance

The permittee is required to conduct the operation in accordance with statements, representations and procedures presented in the complete permit application and supporting documents, as accepted and approved by the administrator.

The permittee is required at all times to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve permit compliance. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures.

The subsurface discharge (injection) authorized by permit shall be consistent with the conditions and content of the permit; any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued.

E. Entry and Inspection

The permittee shall allow the administrator, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least 3 years after closure of the facility.
3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. Names of individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

The Coastal Chem Well Number 15 (State Engineer Permit U.W. 36518) in the NW1/4SE1/4 Section 17 shall be sampled and analyzed on a quarterly basis. This monitoring program shall meet the following conditions:

<u>WELL NAME OR NUMBER</u>	<u>SAMPLING SCHEDULE</u>	<u>ANALYTICAL METHOD</u>	<u>PARAMETER ANALYZED</u>	<u>PERMIT LIMIT (UCL)</u>
Well 15	Quarterly	EPA 353.2	Nitrate (NO ₃)	10.0
Well 15	Quarterly	EPA 350.1	Ammonia (NH ₃)	0.5
Well 15	Quarterly	Coastal*	Urea	
Well 15	Quarterly	EPA 218.1	Tot. Chromium	.05
Well 15	Quarterly	EPA 160.1	TDS	500
Well 15	Quarterly	EPA 150.1	pH must remain between 6.5-10.0	
Well 15	Quarterly	Coastal*	MBTE	.005
Well 15	Quarterly	Coastal*	Methanol	.005

*Coastal Chem shall propose a method for these analyses within the first 180 days of operation under this permit. After acceptance, this method shall not be changed without Water Quality Division prior approval.

The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. All of the UCL's listed in this permit are expressed in mg/l.

G. Requirements for Monitoring the Discharge

Discharge (injection) volume and/or pressure shall be controlled and monitored to prevent fracturing of confining strata.

The permittee shall monitor the injection pressure continuously and record those readings on a strip chart recorder, a circular chart recorder, or digitally by computer interface with the pressure transducer on the well.

The permittee shall shut the well(s) covered by this permit in annually for a period of time long enough to observe a valid pressure falloff curve. This test shall be considered complete when the pressure curve becomes asymptotic to a horizontal line or when the injection line reaches a vacuum as measured at the surface, whichever occurs first.

The permittee shall monitor the quality of the injected water on an approved schedule. The following parameters shall be analyzed by the listed methods and reported quarterly:

<u>SAMPLING SCHEDULE</u>	<u>ANALYTICAL METHOD</u>	<u>PARAMETER ANALYZED</u>	<u>PERMIT LIMIT (UCL)</u>
Quarterly	EPA 353.2	Nitrate (NO ₃)	25,000
Quarterly	EPA 350.1	Ammonia (NH ₃)	19,000
Quarterly	Coastal*	Urea	7,500
Quarterly	EPA 218.1	Tot. Chromium	5.0
Quarterly	EPA 160.1	TDS	
Quarterly	EPA 150.1	pH	11.0
Quarterly	Coastal*	MBTE	225
Quarterly	Coastal*	Methanol	225

*Coastal Chem shall propose a method for these analyses within the first 180 days of operation under this permit. After acceptance, this method shall not be changed without Water Quality Division prior approval.

The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. All of the UCL's listed in this permit are expressed in mg/l.

H. Test Procedures

Test procedures for the determination of water quality parameters and constituents shall be in accord with provisions of Water Quality Rules and Regulations Chapter VIII, Section 7.

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year. All samples taken from Well 15 shall be taken after first purging at least 3 casing volumes from this well.

I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the report or application.
2. The permittee shall give notice to the administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. The permittee shall give advance notice to the administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
4. Monitoring results shall be reported at intervals specified in Section C and/or Section G of this permit.
5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state.
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable groundwaters of the state.

A written submission shall be provided within 5 days of the time the permittee becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the administrator, it shall promptly submit such facts or information.
9. The permittee shall retain all records concerning the nature and composition of injected fluids until 5 years after completion of any

specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.

10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a groundwater pollution control permit has been issued by the department for the proposed operation, and:
 - a. Well construction is complete and the permittee has submitted notice of completion of construction to the administrator, and
 - b. The administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the administrator of intent to inspect or otherwise review the facility within 13 days of the notice of a. above, in which case prior inspection or review is waived, and
 - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the administrator.
11. Annual reports shall be submitted to the administrator within 30 days following the anniversary date of the permit.
12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the administrator within 30 days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

The quarterly report of operations for these wells shall include the following information:

- a. The minimum, average and maximum daily injection rate for each of the four wells, for each month of the quarter. The page showing the maximum injection rate shall also show the maximum permitted injection rate for comparison.
- b. The minimum, average, and maximum daily injection pressure for each of the four wells for each month of the quarter. The page showing the maximum injection pressure shall also show the maximum permitted injection pressure for comparison.
- c. The total injection volume in gallons for each month of the quarter, the total for the quarter, the total cumulative injected to date, all for each well separately.
- d. The maximum and minimum annulus pressure for each month of the quarter for each well separately.
- e. Any permit exceedances within the quarter.

- f. Any tests run during the quarter. This includes but is not limited to the results on any Mechanical Integrity Tests, Pressure Falloff Tests, Step Injection Tests, or any well workovers.
- g. The analytical results for sampling for the injected water and the quality of water in Well 15.
- h. Quarterly reports are due in the Cheyenne office of the Water Quality Division no later than 30 days after the end of each calendar quarter.

The annual report of operations on these wells shall include the fourth quarterly report and the following additional information:

- a. A graphical representation of the injection pressure and volume for over time the previous five year's operation. This graph shall have the dates of the year on the abscissa and the pressure and volume as the ordinate.
- b. Graphical representations of the quality of the injected water over time. These graphs shall show the injected quality for the previous five year's operation and shall be prepared on appropriate scales to show the variation.
- c. Graphical representation for the quality of water in Coastal Well 15 over time.

J. Permit Actions

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to, any of the following:

- 1. Violation of the permit;
- 2. Obtaining a permit by misrepresentation or failure of the discharge well or system.

Each permit is reviewed at least once every 5 years, and may be reviewed more frequently.

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued.

A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the council.

This operation (permit) can be terminated by authority of the administrator for one or more permit violations.

Public notice of the permit review and request for public comment will be made every 10 years by the administrator.

K. Mechanical Integrity

Each discharge well and associated discharge facilities is required to have mechanical integrity which demonstrates the unimpaired condition of the well and facilities. The approved procedures for demonstrating the mechanical integrity for the well and facilities handling the discharge authorized by this permit consist of:

Part I of the Mechanical Integrity test shall demonstrate the absence of leaks through the packer, tubing, casing, and wellhead.

At least once every five years, and more frequently if required by the Administrator, the permittee shall hold 1,200 psig on the annulus between the long string and the tubing for a minimum of 15 minutes. During this time, the annulus pressure should not drop perceptibly. If a perceptible drop in pressure occurs, the annulus shall be repressured to 1,200 psig and held for 15 minutes. During this second test, no perceptible pressure drop should occur. This part of the test is considered successful if no more than 50 psig of pressure loss occurs. If there is a perceptible loss in pressure of less than 50 psig, the Water Quality Division may require more frequent tests. The last time casing pressure tests were performed on Well #1 was March 21, 1990 and on Well #2 this date was March 22, 1990.

Part II of the Mechanical Integrity test shall demonstrate the absence of fluid movement behind the casing.

At least once every five years, and more frequently if required by the Administrator, the permittee shall perform a standard Radioactive Tracer Survey and Temperature log on each well. The temperature log shall be run with the well shut in and shall be recorded while the tool is lowered into the hole. The last Radioactive Tracer Survey and Temperature Log were run on Well #1 on March 21, 1990 and on Well #2 on March 22, 1990.

New wells installed under this permit shall be logged for a standard Cement Bond Log prior to injecting any fluid. The Cement Bond Log shall include a microseismogram as well as the amplitude curve, natural gamma, and casing collar curves. New wells shall be logged for a Radioactive Tracer Survey and Temperature Log as above, prior to injecting any fluid.

Other types of logs may be substituted for the above with the prior approval of the Water Quality Division.

The operation (discharge) of any well or system will terminate immediately if mechanical integrity of the well or system fails and/or a leak or

unauthorized fluid movement occurs. The discharge shall be discontinued until mechanical integrity has been restored and permission to continue the discharge has been obtained from the administrator.

All mechanical integrity tests shall be performed after notifying the Water Quality Division at least 30 days in advance so that a Water Quality Division inspector may witness these tests.

L. Abandonment

The permittee shall notify the administrator at least 180 days before well abandonment. Immediately following the permanent cessation of subsurface discharge or related activity, or where a well has not been completed, the applicant/permittee shall notify the director and follow the procedures prescribed by the director for plugging and abandonment or the discontinuance of related activities:

The following abandonment procedure shall be followed for each of the wells covered by this permit:

A squeeze cementing operation shall be run with the cement retainer set within 20 feet of the top perforations. This cementing operation shall consist of pumping 300 sacks of 50/50 pozmix cement with 2% allowed gel or class G cement with .4% fluid loss additive. After stringing out of the retainer an additional 800 sacks of class G cement with retarder added shall be emplaced in the casing as the tubing is withdrawn. The remainder of the hole shall be filled with bentonite based drilling mud of at least a 10 minute gel strength of 20 pounds per 100 square feet and a filtrate volume not to exceed 13.5 cc. Following this operation, the top 500 feet of the hole shall be filled with cement as above and a standard dry hole marker shall be installed on the surface and welded to the long string.

In no case shall the abandonment procedure be less stringent than that required at the time of abandonment by the Wyoming Oil and Gas Conservation Commission for the abandonment of producing oil wells at the time of abandonment. In no case shall the abandonment procedure be less stringent than that required by the EPA nationwide for class I nonhazardous waste wells at the time of abandonment.

M. Duties of the Permittee

It is a duty of the permittee to:

1. Comply with all permit conditions;
2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions;

3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit;
4. Furnish to the administrator within a reasonable time, any information which the administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the administrator, upon request, copies of records required to be kept by this permit.

N. Financial Responsibility

The permittee is required to maintain financial responsibility and resources in form approved by the director, to close, plug and abandon the discharge operation in a manner prescribed by the director.

The permittee has demonstrated financial responsibility as required by Chapter IX of Wyoming Rules and Regulations in the form of a financial test demonstrating sufficient resources to plug and abandon the nonhazardous waste injection wells covered by this permit.

O. Special Measures the Director Finds Necessary:

None

P. Special Permit Conditions:

Pollution or waste which migrates into an aquifer containing a usable groundwater of the state is a violation of the permit.

Mechanical integrity -- operations terminate immediately if mechanical integrity of well or system fails and/or a leak or unauthorized fluid movement occurs.

Q. Signatories Requirement

All reports required by this permit and other requested information shall be signed as follows:

For a corporation -- by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively;

For a municipality, state, federal or other public agency -- by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the described principals;

2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the administrator prior to or together with any reports or information, to be signed by an authorized representative.

Any person signing a report or other requested information shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification or planned changes or anticipated noncompliance, does not stay any permit condition.

S. Permit Transfer

The owner/operator of record (permittee) is always responsible for permit compliance. A permit holder cannot transfer his permit without approval of the department director.

T. Responsibilities

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

U. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

V. Severability

The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

RL/nc

PERMIT TO CONSTRUCT
* CONDITIONS *

[X] New

Permit No. 90-376

[] Renewal

[] Modified

Presidio Oil Company Blue Forest Unit Deep Anode Ground Beds
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Presidio Exploration, Inc.

5613 DTC Pkwy, Suite 750

Englewood, CO 80111-3035

to install a series of nineteen (19) deep anode ground beds according to the procedures and conditions of the application No. 90-376. The facility is located in Townships 24 and 25 North, Ranges 110 and 111 West (Blue Forest Unit) in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of

credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

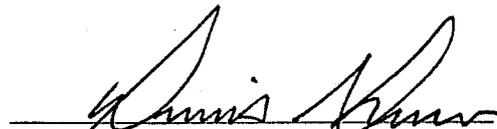
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

DG/jyi

* CONDITIONS *

1. The cathodic protection deep anode ground bed well shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 90-376.
2. After the deep anode ground bed well has fulfilled its useful purpose, it shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after the well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
3. In addition to the anode bed construction information submitted with the permit application, the following items relating to well construction must be addressed when the well is installed:

- a. Bentonite grout seal installed to a depth just above coke breeze.
 - b. The coke breeze backfill has a total organic content no greater than 0.2 percent.
 - c. All aquifers encountered while drilling shall be isolated with polymer mud to prevent co-mingling of different aquifers or each aquifer shall be isolated, sampled and analyzed for all parameters contained in Table I of Chapter VIII of Wyoming Water Quality Rules and Regulations. If aquifers are of the same class of use as determined by the Department of Environmental Quality, intermingling may be allowed.
4. Within 45 days after the well has been installed, as-built construction plans need to be submitted to the Wyoming Department of Environmental Quality, Water Quality Division, detailing that the groundwater was protected during construction.
 5. Up to 19 similar anodes may be installed during the term of this permit. All installations will have similar construction specifications.

PERMIT TO CONSTRUCT

New

Permit No. 90-377

Renewal

Modified

Clearview Improvement & Service District
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Clearview Improvement & Sewer District

P. O. Box 2634

Rock Springs, WY 82902

to install approximately 1100 LF of 6 inch diameter waterline on Clearview Drive facility according to the procedures and conditions of the application No. 90-377. The facility is located in Sec 32 & 33, T19N, R105W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities,

at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

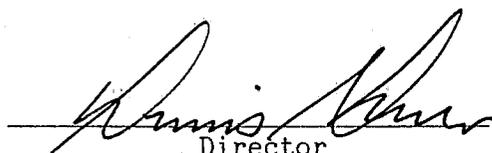
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

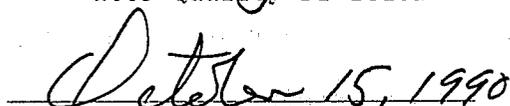
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



October 15, 1990
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

BL\jyi

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-378
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

PLATTE COUNTY FIRE DISTRICT 1-F WATER LINES

This permit hereby authorizes the applicant:

Platte County Fire District 1-F
P O Box 1089
Wheatland, WY 82201

to construct, install or modify a Distribution System according to the procedures and conditions of the application number 90-378. The facility is located in SE/SW and SW/SE Section 13 NW/NW Section 24 Township 24 North Range 68 West in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

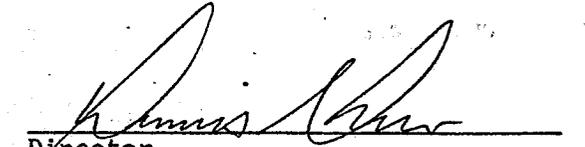
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

April 2, 1991
Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS TO PERMIT TO CONSTRUCT #90-378

1. Previous calculations given in the application indicate that the proposed system will operate properly with a residual pressure of 20 psi during fire flow. Provisions must be taken to insure that the minimum pressure in the remainder of the system does not drop below the 20 psi limit. This permit is being issued with the condition that an approved method of maintaining the 20 psi residual will be in place prior to utilizing the practice area hydrants.

SCF/jt

cc: J. Kenneth Kennedy, Kenneth Engineering, P O Box 1089, Wheatland, WY 82201

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION - SOUTHEAST DISTRICT
Herschler Building, 4th West
Cheyenne, Wyoming 82002

PROJECT: PLATTE COUNTY FIRE DISTRICT - WATERMAIN

APPLICANT: PLATTE COUNTY FIRE DISTRICT I-F
TOWN OF WHEATLAND
WHEATLAND WY 82201

ENGINEER: KENNEDY ENGINEERING
P O BOX 1089
WHEATLAND WY 82201

WATER QUALITY DIVISION REFERENCE NUMBER: 90-378

REVIEWING ENGINEER: Scott C. Forister *SCF*

APPROVING ENGINEER: Louis B. Harmon, PE

DATE OF REVIEW: March 6, 1991

ACTION: NOT AUTHORIZED TO CONSTRUCTION.

COMMENTS:

1. Water Quality Division regulations required that all distribution systems maintain a minimum pressure of 20 psi. The information submitted in the engineering design report under section 5.0 indicates that the residual pressure during fire flow conditions would be 10 psi. Provisions must be made so that the residual pressure will not drop below the 20 psi limit regardless of the flow conditions.



/jn

PERMIT TO CONSTRUCT

PERMIT NO. 90-379

X New
Renewal
Modified

SARATOGA WEST SIDE SEWER REPLACEMENT

This permit hereby authorizes the applicant:

Town of Saratoga
P.O. Box 913
Saratoga, WY 82331

to construct, install or modify a sewer collection line replacement according to the procedures and conditions of the application number 90-379. The facility is located in SW 1/4 Sec. 11 T17N R84W in the county of Carbon, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

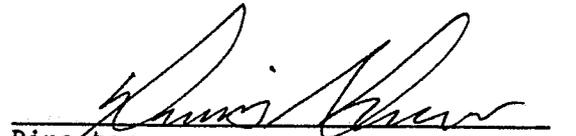
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

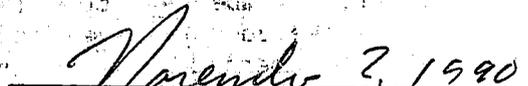
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

LBH\jn

cc: PMPC, INC, P. O. Box 370, Saratoga, WY 82331

R7

PERMIT TO CONSTRUCT

PERMIT NO. 90-380
SEE SPECIAL CONDITIONS

New
 Renewal
 Modified

JESS' HAT SIX TRUCK PLAZA

This permit hereby authorizes the applicant:

Jess Manzanrez
P O Box 1760
Casper, WY 82609

to construct, install or modify a Commercial Wastewater Collection System according to the procedures and conditions of the application number 90-380. The facility is located in Section 9 Township 33N Range 78W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of two years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

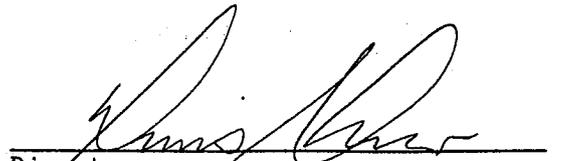
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

PERMIT CONDITION FOR PERMIT TO CONSTRUCT 90-380

1. This permit is a renewal of permit to construct No. 84-511R. All submittals and conditions attached to 84-511R are made part of this permit by reference.

SCF/jn

cc: Natrona County Health Dept.
Casper BPU, 200 N. David, Casper, WY 82601

RF

PERMIT TO CONSTRUCT

PERMIT NO. 90-381
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

Smith Energy Services

This permit hereby authorizes the applicant:

ENERLOG/TIS INC. (A.W. Powell)
7950 So. Lincoln St., Suite 106
Littleton, CO 80122

to construct, install or modify groundwater monitoring wells according to the procedures and conditions of the application number 90-381. The facility is located in S34, SWSW1/4, T34N, R80W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of six months (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

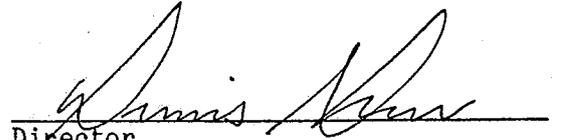
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

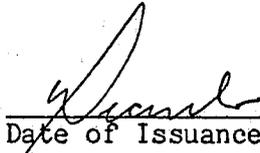
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality



Date of Issuance 10, 1990

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS TO PERMIT TO CONSTRUCT #90-381

1. DEQ/WQD personnel shall be given at least 24 hours notice prior to the installation of the monitor wells and sample collection. Additional wells installed at the site must have prior approval from DEQ/WQD.
2. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to DEQ/WQD. All wells must have a unique number.
3. Within 45 days of issuance of this permit, a report on the subsurface investigation must be submitted to DEQ/WQD. The report must include the following items:
 - a. A chronology of events leading up to the investigation;
 - b. A site map showing physical features, well locations and elevations, with the elevations given in m.s.l.;
 - c. A potentiometric surface map showing the direction of groundwater movement;
 - d. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - e. A description of the subsurface geologic conditions;
 - f. Construction details and logs of all monitor wells;
 - g. Sample collection procedures, QA/QC information and analytical methods;
 - h. Static water level, product thickness and analytical results; and

Conditions to Permit 90-381 (continued)

- i. Interpretation of data and conclusions including recommended remedial actions.
4. After the monitoring wells have fulfilled their useful purpose, and upon approval by DEQ/WQD, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. A plugging record must be filed with the DEQ/WQD within 15 days of abandonment.

DM/nc

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Smith Energy Services

ENGINEER: N/A

APPLICANT: Enerlog/TIS, Inc. (A.W. Powell)
7950 South Lincoln Street, Suite 106
Littleton, Colorado 80122

WATER QUALITY DIVISION REFERENCE NUMBER: 90-381

REVIEWING ENGINEER: Dave Montague, ^{DM} Groundwater Engineering Specialist

DATE OF REVIEW: October 9, 1990

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

1. Please provide a plan view of the site showing where the monitoring wells are expected to be located, and also show the location of any potential source of groundwater contamination.
2. Department of Environmental Quality, Water Quality Division Rules and Regulations Chapter XI Section 65(b) provides that the borehole must be at least 4 inches greater in diameter than the well casing. The well design detail provided shows the borehole is only 2 inches greater in diameter.
3. Will the crushed bentonite seal be hydrated to form an impermeable seal?
4. All elevation will be based on m.s.l.

/jn

PERMIT TO CONSTRUCT
CONDITIONS

- [X] New
[] Renewal
[] Modified

Permit No. 90-382

Lake Village - Yellowstone Park Service Stations
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Bill Berg

Yellowstone Park Service Stations

P. O. Box 11

Gardiner, MT 59030

to construct a six groundwater monitor wells for extent of contamination study at the Lake Village facility according to the procedures and conditions of the application No. 90-382. The facility is located in Yellowstone National Park at Lake Village in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

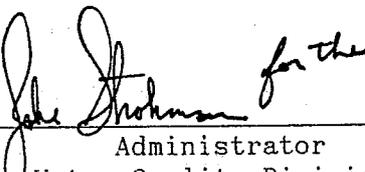
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

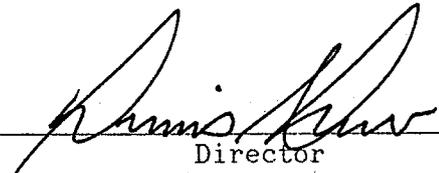
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

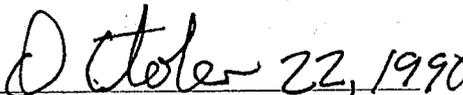
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH\jyi

Conditions for Monitoring Wells

1. The groundwater monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-382. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.

3. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered.
5. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level; Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
 - e. To minimize the entrance of fine grained material into the well the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - g. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;

- h. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
 - i. All monitor wells shall be designed so that they contain a minimum of 3 feet of water at all times.
- 7. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and sample collection so that DEQ/WQD personnel may be on-site if deemed necessary.
- 8. Within 90 days of issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:
 - a. A chronology of events leading up to the investigation;
 - b. A site map showing physical features, well locations and elevations;
 - c. Final location, construction details and logs of all monitoring wells;
 - d. Geohydrolic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
 - e. Water level and product thickness measurements;
 - f. Sample collection procedures;
 - g. Sampling analytical results;
 - h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - i. A potentiometric surface map showing the direction of groundwater movement; and
 - j. Interpretation of data and conclusions including recommended remedial measures.
- 9. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
- 10. All monitor wells associated with this facility shall be sampled and the wastewater analyzed one time for BETX (EPA Method 502.2 or 602), TPH (EPA Method 418.1).

If free product is found the above analysis will not be required, but the thickness of product shall be measured.

The results of these analyses shall be submitted to the Lander office in the report due in 90 days. Depending on the results of these analyses,

Permit to Construct
Lake Village Yellowstone Park
90-382
Page 5

additional sampling and analysis may be required by the Water Quality Division. A sampling schedule will be developed at that time.

11. Reconciled inventory records with the volume of the spill specified shall be submitted to the DEQ/WQD with the report.
12. The time schedule for plan implementation is submitted in the 10/10/90 proposal shall be adhered to. Drilling shall commence on or before 11/9/90.

cc: Jake Strohman

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-383
SEE CONDITIONS

COFFEE CUP FUEL STOP MW
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Inberg - Miller Engineers
1120 East "C" Street
Casper, WY 82601

to construct, install or modify monitoring well and borehole network facilities according to the procedures and conditions of the application No. 90-383. The facility is located in Section 6, T.49N., R.67W, in the county of Crook, in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781, or other appropriate District offices.

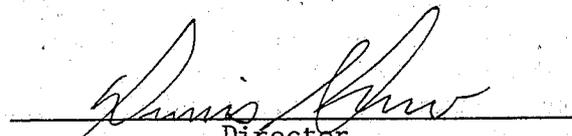
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations,

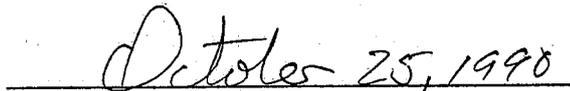
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

EJL:pr

Conditions to Permit to Construct 90-383

1. The groundwater monitoring wells and boreholes shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-383. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells and boreholes prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
3. After the monitoring wells and boreholes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well or borehole has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the Division. The wells shall be clearly numbered.
5. Depending on the results of the subsurface contamination investigation, additional site investigations may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.
6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
 - e. To minimize the entrance of fine-grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;

- f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - g. A protective casing and locking cap is strongly recommended;
 - h. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
 - i. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
 - j. All monitor wells shall be designed so that they contain a minimum of three feet of water at all times.
7. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and sample collection. Wells or boreholes shall not be installed without presence of DEQ/WQD personnel.
 8. Within 90 days of the issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:
 - a. A site map showing physical features, well locations and elevations;
 - b. Final location, construction details and logs of all monitoring wells and boreholes;
 - c. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
 - d. Water level and product thickness measurements;
 - e. Sample collection procedures;
 - f. Sampling analytical results;
 - g. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - h. A potentiometric surface map showing the direction of groundwater movement; and
 - i. Interpretation of data and conclusions including recommended remedial measures.
 9. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
 10. All monitor wells associated with this facility shall be sampled and the wastewater analyzed quarterly for the parameters listed below:

TPH and BETX.

The results of these analyses shall be submitted to the Sheridan office by the last day of the month following the end of each quarter. The first set of results are due by the last day of February, 1991.

11. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the department as soon as they are available.
12. All water samples shall be analyzed by the Water Quality Division Laboratory. All soil samples shall be analyzed by an approved laboratory and shall be the responsibility of the permittee.
13. Pending completion of the contractual scope of work related to the permit issued herein, this permit shall be modified to reflect an applicant ownership change to:

DEQ/WQD
2161 Coffeen Avenue Annex
Sheridan, WY 82801

14. Proposed monitoring well and borehole locations shall be submitted to and approved by the DEQ/WQD prior to installation of such.

cc: Kevin Frederick, DEQ/WQD Cheyenne

R7

PERMIT TRANSFER REQUEST

DATE: April 4, 1991

Water Quality Division
Department of Environmental Quality
122 West 25th Street
Herschler Building
Cheyenne, Wyoming 82002

To Whom It Concerns:

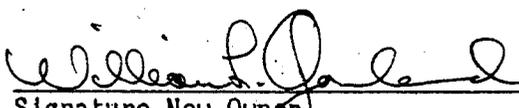
Chen-Northern, Inc. intends to transfer ownership of the facility associated with Permit Number 90-384 to DEQ/WOD on April 15, 1991. It is requested that the said permit be transferred to the new owner in accordance with Section 10 (c) and (d) of Chapter III, Wyoming Water Quality Rules and Regulations. The new owner agrees to accept and be bound by the provisions of the permit and any amendments, agrees to construct and operate the facility in accordance with the approved permit and agrees to accept responsibility for the facility's compliance with applicable standards and permit conditions, including the responsibility to perform any necessary corrective actions.

The original owner shall retain responsibility for the facility according to the terms of the original permit until the application for permit transfer is approved by the Administrator.

Please transfer the permit to the transferee's name and issue a modified permit reflecting the transfer of ownership. Terms and conditions of the original permit are transferred to and become the responsibility of the new owner.



Signature Original Owner



Signature New Owner

Name Chen-Northern, Inc.

Name DEQ/WOD

Address P. O. Box 2599
Casper, Wyoming 82602

Address 2161 Coffeen Avenue, Annex
Sheridan, Wyoming 82801

Contact: Thomas J. Pilch

Contact: Kurt King

Telephone (307) 234-2126

Telephone (307) 672-6457

Chen Northern, Inc.

RECEIVED

Bill G

APR 5 1991

Consulting Engineers and Scientists

605 North Warehouse Road
PO Box 2599 (82602)
Casper, Wyoming 82601

307 234-2126
307 266-5143 Facsimile

WATER QUALITY DIVISION
WYOMING

April 4, 1991

DEQ-Water Quality Division
2161 Coffeen Avenue, Annex
Sheridan, Wyoming 82801

Attention: Kurt King

SUBJECT: Permit No. 90-384 Transfer Request

Job No. 91-4308

Dear Mr. King:

Attached is a permit transfer form for Permit No. 90-384.

As we discussed previously, the ABC contract is completed, and additional sampling will be conducted by the Water Quality Division. Therefore, we would like to transfer ownership of Permit No. 90-384 to the owner stated in Condition 12 of said permit (DEQ/WQD, 2161 Coffeen Avenue, Annex, Sheridan, Wyoming 82801).

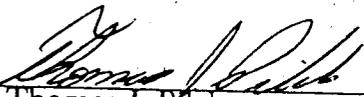
There are three 55 gallon barrels containing auger cuttings still being stored at the Buffalo Wastewater facility. These barrels will be disposed in accordance with the Solid Waste Program before June, 1991, at no additional cost.

If you have any questions, please contact us at 234-2126.

Sincerely,

CHEN-NORTHERN, INC.

BY


Thomas J. Pilch
Environmental Engineer

TJP:bec

cc: Bill Garland - WQD

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-384
SEE CONDITIONS

DEQ/WQD - ABC MW
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Chen-Northern Inc.
P.O. Box 2599
Casper, WY 82602

to construct, install or modify monitoring well and borehole network facilities according to the procedures and conditions of the application No. 90-384. The facility is located in Section 25 and 26, T.51N., R. 82W, in the county of Johnson, in the State of Wyoming. This permit shall be effective for a period of one (1) year (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781, or other appropriate District offices.

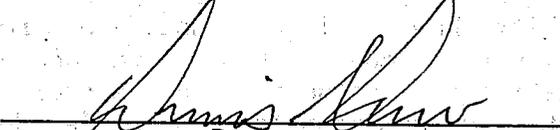
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations,

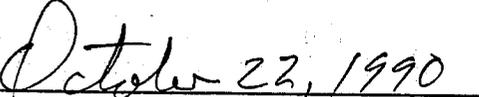
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

Conditions to Permit to Construct 90-384

1. The groundwater monitoring wells and boreholes shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-384. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells and boreholes prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
3. After the monitoring wells and boreholes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well or borehole has been plugged and abandoned, the owner shall file a plugging record with the WQD.
4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the Division. The wells shall be clearly numbered.
5. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:
 - a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;
 - b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;
 - c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;
 - d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;
 - e. To minimize the entrance of fine-grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;
 - f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;
 - g. A protective casing and locking cap is strongly recommended;

- h. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;
 - i. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and
 - j. All monitor wells shall be designed so that they contain a minimum of three feet of water at all times.
6. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells or boreholes and sample collection. Wells or boreholes shall not be installed without presence of DEQ/WQD personnel.
7. Within 90 days of the issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:
- a. Final location, construction details and logs of all monitoring wells and boreholes;
 - b. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
 - c. Water level and product thickness measurements;
 - d. Sample collection procedures;
 - e. Soil sampling analytical results;
 - f. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - g. A potentiometric surface map showing the direction of groundwater movement; and
 - h. Interpretation of data and conclusions including recommended remedial measures.
8. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.
9. All monitor wells associated with this facility shall be sampled and the wastewater analyzed for the parameters listed below:
- TPH, BETX, TCLP (including heavy metals), Oil & Grease, Sulphates, Chlorides, Conductivity, and pH.

The results of these analyses shall be submitted to the Sheridan office.

10. The results of any analyses conducted on soil or water removed from these wells or test holes shall be provided to the department as soon as they are available.
11. All soil and water samples shall be collected and preserved by the permittee. The permittee shall deliver water samples to appropriate DEQ/WQD personnel. All soil samples shall be analyzed by an approved laboratory and shall be the responsibility of the permittee.
12. Pending completion of the contractual scope of work related to the permit issued herein, this permit shall be modified to reflect an applicant ownership change to:

DEQ/WQD
2161 Coffeen Avenue Annex
Sheridan, WY 82801

13. All soil samples collected shall be analyzed using an approved laboratory method for the parameters listed below:

TPH, BETX, TCLP (including heavy metals), Oil and Grease, Chlorides, Sulphates, and pH.

The results for these analyses shall be submitted to the Sheridan office by January 15, 1991.

14. Proposed monitoring well and borehole locations shall be submitted to and approved by the DEQ/WQD prior to installation of such.

cc: Kevin Frederick, DEQ/WQD Cheyenne
Kurt King, DEQ/WQD Sheridan

PERMIT TRANSFER REQUEST

DATE: 1-27-92

Water Quality Division
Department of Environmental Quality
122 West 25th Street
Herschler Building
Cheyenne, Wyoming 82002

RECEIVED

JUL 8 7 1992

WATER QUALITY DIVISION

To Whom It Concerns:

(Original Owner) Western Gas Processors intends to transfer ownership of the facility associated with Permit Number 90-385 to (New Owner) Western Gas Resources, Inc. on (Date) 1-27-92. It is requested that the said permit be transferred to the new owner in accordance with Section 10 (c) and (d) of Chapter III, Wyoming Water Quality Rules and Regulations. The new owner agrees to accept and be bound by the provisions of the permit and any amendments, agrees to construct and operate the facility in accordance with the approved permit and agrees to accept responsibility for the facility's compliance with applicable standards and permit conditions, including the responsibility to perform any necessary corrective actions.

The original owner shall retain responsibility for the facility according to the terms of the original permit until the application for permit transfer is approved by the Administrator.

Please transfer the permit to the transferee's name and issue a modified permit reflecting the transfer of ownership. Terms and conditions of the original permit are transferred to and become the responsibility of the new owner.

Debra Albert

Signature Original Owner

Name Debra ALBERT

Address 12200 Pecos St.

Denver, CO. 80234

Telephone (303) 452-5603

Debra Albert

Signature New Owner

Name Debra Albert

Address 12200 Pecos

Denver, CO. 80234

Telephone (303) 452-5603

Name change only - Edith said no new permit needs to be done. re 7/27/92

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

PERMIT NO. 90-385
SEE CONDITIONS

OEDEKOVAN GAS PLANT MW
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Western Gas Processors, Ltd.
12200 N. Pecos Street
Denver, CO 80234

to construct, install or modify monitoring well and borehole network facilities according to the procedures and conditions of the application No. 90-385. The facility is located in Section 30, T.55N., R.73W, in the county of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781, or other appropriate District offices.

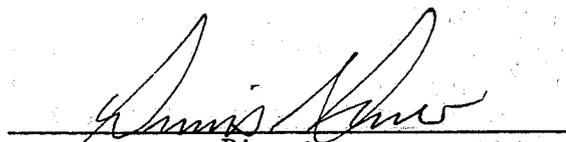
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations,

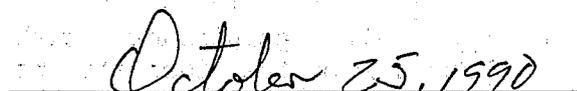
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

CONDITIONS FOR MONITORING WELLS

1. The groundwater monitoring wells and boreholes shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-385. Additional wells meeting the requirements of the application and this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Chapter XI, Part G. However a sufficient seal shall be installed according to normal engineering practice.
3. After the monitoring wells and boreholes have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and regulations. Within 15 days after a monitoring well has been plugged and abandoned, the owner shall file a plugging record with the WQD.

4. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the Division. The wells shall be clearly numbered.

5. The issuance of this permit does not relieve the permittee from obligations to complete an extent of contamination study and any further remedial actions which may be required. Depending on the results of the subsurface contamination investigation, additional site investigations or remedial measures may be required by the WQD. An adequate number of wells shall be installed to define the extent of contamination.

6. In addition to the well construction information submitted with the permit application, the following items relating to well construction shall be implemented when the wells are constructed, installed and developed:

a. After the bentonite has been placed in the annular space, it shall be hydrated to ensure a proper seal;

b. The borehole diameter shall be at least four inches larger in diameter than the casing diameter;

c. The screened interval shall extend at least two or three feet above the highest expected seasonal groundwater level and at least five feet below the lowest expected groundwater level. Factory slotted casing is recommended for the perforated interval;

d. If PVC casing is used, only threaded PVC casing is acceptable. Under no circumstances are PVC glue or plastic welding solvents to be used to join casings;

e. To minimize the entrance of fine-grained material into the well, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the perforated interval;

f. A top and bottom cap shall be installed to prevent sediment and surface water from entering the well;

g. A protective casing and locking cap is strongly recommended;

h. The monitoring well shall be developed by the use of a pump or bailer so that representative groundwater samples can be collected;

i. A seal of bentonite or bentonite grout is required from the surface to a foot or two above the top perforation. Protective casing shall be cemented into a sloping concrete cap; and

j. All monitor wells shall be designed so that they contain a minimum of three feet of water at all times.

7. DEQ/WQD personnel shall be given at least two weeks notice prior to the installation of the monitor wells and boreholes and sample collection so that DEQ/WQD personnel may be on site if deemed necessary.

8. Within 90 days of the issuance of this permit, a report on the subsurface investigation shall be submitted to the WQD. This report shall contain at a minimum:

- a. A chronology of events leading up to the investigation;
- b. A site map showing physical features, well locations and elevations;
- c. Final location, construction details and logs of all monitoring wells and boreholes;
- d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geological materials and groundwater occurrence;
- e. Water level and product thickness measurements;
- f. Sample collection procedures;
- g. Sampling analytical results;
- h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
- i. A potentiometric surface map showing the direction of groundwater movement; and
- j. Interpretation of data and conclusions including recommended remedial measures.

9. Proper well evacuation, sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD standard procedures.

10. WQD recommends all monitor wells associated with this facility be sampled and the wastewater analyzed quarterly for the parameters listed below:

EPA methods 8020, 8015, and 8260 (with library search).

The results of these analyses shall be submitted to the appropriate DEQ/WQD office Sheridan by the last day of the month following the end of each quarter. The first set of results are due by the last day of January, 1991.

11. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the Department as soon as they are available.

Conditions for Monitoring Wells (continued)

12. Pending WQD receipt and review of quarterly sample results, further reductions in parameters and/or frequency may be granted.
13. All soil samples shall be analyzed for the parameters listed below:

EPA Method 8020, 8015, and 8260 and PCB screen.

The results of these analyses shall be submitted to the Sheridan WQD office by the last day of January, 1991.

EJL/pr

xc: Kevin Frederick, DEQ/WQD, Cheyenne

PERMIT TO CONSTRUCT

New

Permit No. 90-386

Renewal

Modified

Domhoff Leachfiled Expansion
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

A. H. Domhoff

381 Hwy 20 North

Thermopolis, WY 82443

to construct an extension to existng on-site disposal system to serve a one bedroom A-frame facility according to the procedures and conditions of the application No. 90-386. The facility is located in Sec 19, T43N, R44W in the County of Hot Springs, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities,

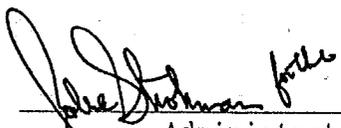
at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

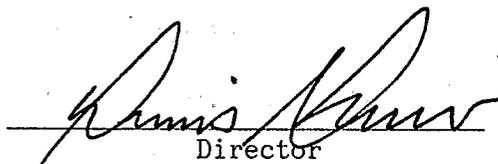
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

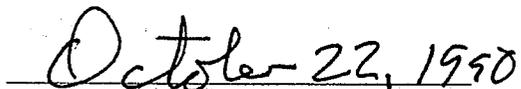
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH\jyi

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-387

Green River North Side Water System Improvements
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Green River-Rock Springs-Sweetwater Co. Joint Powers Water Board

50 East 2nd North

Green River, WY 82935

to install a 1 MG partially buried concrete storage reservoir, approximately 6500 LF of 16" PVC water transmission line with connections and hydrants facility according to the procedures and conditions of the application No. 90-387. The facility is located in Sec 15, T18N, R107W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

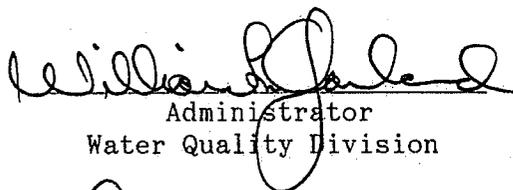
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

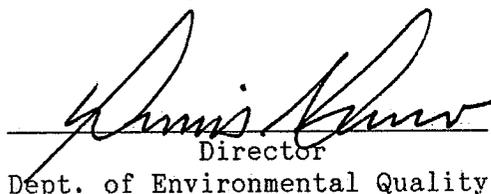
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


Administrator
Water Quality Division


Director
Dept. of Environmental Quality

October 22, 1990
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

SR/jyi

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-388

McLean Leach Field
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

William McLean
290 Coventry Circle
Thermopolis, WY 82443

to construct a replacement leach field according to the procedures and conditions of the application No. 90-388. The facility is located in Section 24, T43N, R95W in the County of Hot Springs, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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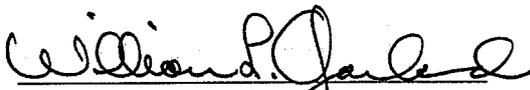
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

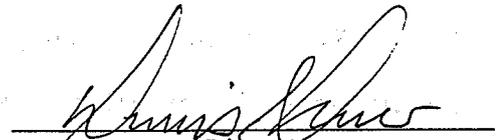
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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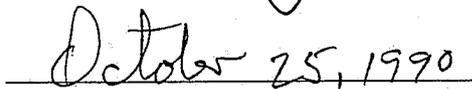
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH/anc

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-390

MPC Old Faithful Substation Vapor Monitor Well
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Montana Power Company

P. O. Box 490

Bozeman, MT 59715

to install a monitor well facility according to the procedures and conditions of the application No. 90-390. The facility is located in Yellowstone National Park in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

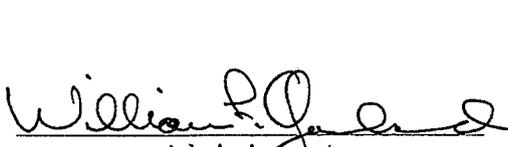
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

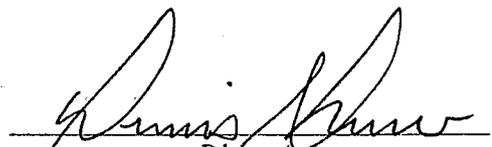
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

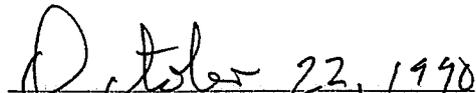
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

Conditions for Monitoring Wells

1. The vapor monitoring wells shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in permit to construct application number 90-390. Additional wells meeting the requirements of the application this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the WQD.
3. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered.
4. If hydrocarbon odors are detected in the monitor well the department must be notified within 24 hours.

SG/jyi

PERMIT TO CONSTRUCT
CONDITION

[X] New

Permit No. 90-391

[] Renewal

[] Modified

Jim Bridger Hydrocarbon Recovery System
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Jim Bridger Plant

P. O. Box 158

Point of Rocks, WY 82942

to install a hydrocarbon recovery and monitoring system facility according to the procedures and conditions of the application No. 90-391. The facility is located in NW 1/4, NE 1/4, Sec 10, T20N, R101W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of

credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

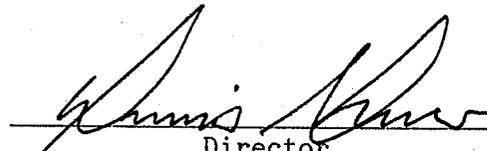
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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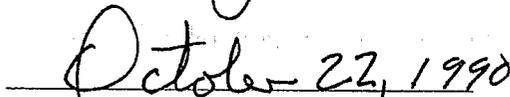
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

BL/jyi

* CONDITION *

1. The Permittee shall monitor and record the water and product levels and volumes pumped on a regular basis to ascertain the performance of the recovery system. Quarterly reports to track the performance of the recovery system shall be submitted to the DEQ/WQD, 250 Lincoln Street, Lander, WY 82520.

PERMIT TO CONSTRUCT

New

Permit No. 90-392

Renewal

Modified

Golden Eagle Lease Small Waste
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Phillips Petroleum Co.

P.O. Box 828

Riverton, WY 82501

to construct a septic tank/leach field according to the procedures and conditions of the application No. 90-392. The facility is located in SE 1/4 Section 11, T45N, R97W in the County of Hot Springs, in the State of Wyoming.

This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

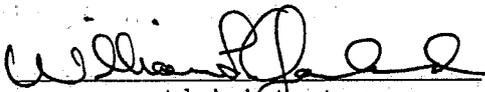
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

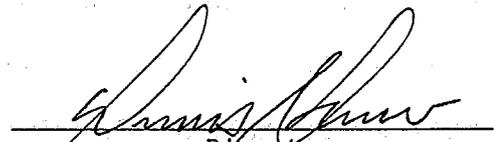
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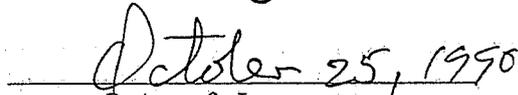
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH/anc



OF WYOMING

90-393 RF
1890-1990
WYOMING
CENTENNIAL
A LASTING LEGACY.

JAKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

October 18, 1990

D. Jeffrey Haffner
Grace Drilling Company
15301 Dallas Parkway, Suite 250LB30
Dallas, Texas 75248

RE: Grace Drilling Company Monitor Wells
Riverton, Fremont County, Wyoming

Dear Mr. Haffner:

The as built plans which you submitted appear to meet all of the requirements which this department places on the construction of monitor wells. This as built approval is conditional in that this department will want to see all of the analysis done of groundwater on this site. Attached to this letter, please find a copy of the standard conditions for a monitor well permit which shall apply to these wells.

Sincerely,

Robert Lucht, P.E.
UIC Program Supervisor
Water Quality Division

RL/jt

xc: Jake Strohman, DEQ/WQD
Jeff Hermansky, DEQ/WQD Lander, w/copy of Grace letter

1. After the monitoring wells have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with WQD.
2. Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells shall be reported immediately to the division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
3. Within 90 days of the issuance of this as built approval, a report of investigation shall be submitted to WQD. This report shall contain at a minimum:
 - a. A chronology of events leading up to the investigation;
 - b. A site map showing the physical features, well locations and sea level elevations;
 - c. Final location, construction details and logs of monitor wells;
 - d. Geohydrologic maps and/or cross sections that clearly describe the subsurface distribution of geologic materials and groundwater occurrence;
 - e. Water level and product thickness measurements;
 - f. Sample collection procedures;
 - g. Sampling analytical results;
 - h. A map delineating the extent of the subsurface contamination including free product, soil and dissolved groundwater contamination and concentrations;
 - i. A potentiometric surface map showing the direction of groundwater movement; and
 - j. Interpretation of the data and conclusions including recommended remedial measures.
4. Proper well evacuation shall include removal of a minimum of 3 casing volumes prior to sampling or pumping the well dry once, whichever occurs first. Sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD and EPA standard procedures.

8, 1990

As Built Conditions for Permit 90-393

5. All monitor wells associated with this facility shall be sampled and the groundwater analyzed at least once for the following listed parameters:
 - a. Purgeable Hydrocarbons using EPA Method 624.
 - b. Arsenic, Barium, Cadmium, Lead, Mercury, Silver, and Selenium, using EPA 200 series methods.
 - c. The results of these analyses shall be submitted to the Cheyenne office by the last day of the month following their receipt by Grace Drilling Company.
6. The results of any analyses conducted on soil or water removed from these wells or boreholes shall be provided to the department as soon as they are available.

RL/jt

PERMIT TO CONSTRUCT

New

Permit No. 90-394RR

Renewal

Modified

Water Distribution System - Project No. 1
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

West River Road Improvement and Service District

c/o Darlene Goyn, Secretary/Treasurer

946 West River Road

to construct, install, or modify a water distribution system facility according to the procedures and conditions of the application No. 90-394RR. The facility is located in numerous tracts, lots, and sections in T47N, R93W, T47N, R92½W, T48N, R93W, T48N, R92½W, T48N, R92W Resurvey in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the

performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

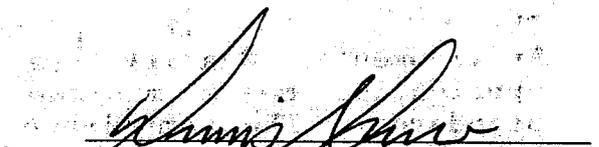
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

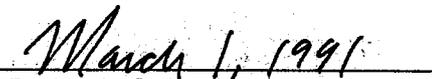
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

JH/jyi

RF

PERMIT TO CONSTRUCT

PERMIT NO: 90-395
REF NO 90-058
SEE SPECIAL CONDITIONS

X New
Renewal
Modified

KN ENERGY/NORTHERN GAS STATEWIDE GROUNDBED ANODE

This permit hereby authorizes the applicant:

KN Energy and all Subsidiaries
P O Box 310
Scottsbluff, NE 69361

to construct, install or modify deep groundbed anode system according to the procedures and conditions of the application number 90-395 and 90-058. The facility is located in Statewide in the county of Statewide, in the State of Wyoming. This permit shall be effective for a period of five years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

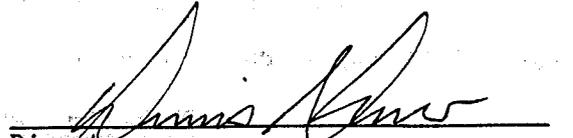
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AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

October 25, 1990

Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS TO PERMIT TO CONSTRUCT #90-395

1. The cathodic protection deep anode groundbed shall be installed in accordance with the conditions of this permit and plans and specifications submitted in permit to construct application number 90-058 or 90-395.
2. After the deep anode bed has fulfilled its useful purpose, it shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of the Wyoming Water Quality Rules and Regulations. Within 15 days after the well is plugged and abandoned, the owner shall file a plugging record with the Water Quality Division.
3. In addition to the anode bed construction information submitted with the permit application, the following items relating to well construction must be addressed when the well is installed:
 - a. A bentonite grout seal shall be installed for a minimum depth of 3 feet from the surface and also just above the coke breeze for a minimum thickness of 3 feet. The remainder of the hole between these seals may be backfilled with drill cuttings.
 - b. All aquifers encountered while drilling shall be isolated from one another using a bentonite seal of at least 2 feet in vertical dimension.
 - c. The coke breeze shall be a high quality product containing a minimum of leachable metals, or organic pollutants.
4. Within 45 days after the well is installed, as built construction plans shall be submitted to the Department of Environmental Quality, Water Quality Division, detailing that the groundwater was protected during the installation of the groundbeds.
5. An unlimited number of similar anodes may be installed during the term of this permit throughout the State of Wyoming. All installations are to have similar construction specifications.

RFL/nc

PERMIT TO CONSTRUCT

New

Permit No. 90-396

Renewal

Modified

Rock Springs Wastewater Treatment Plant
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

City of Rock Springs

212 "D Street

Rock Springs, WY 82901

to construct sludge storage bins according to the procedures and conditions of the application No. 90-396. The facility is located in Section 33, T19N, R105W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

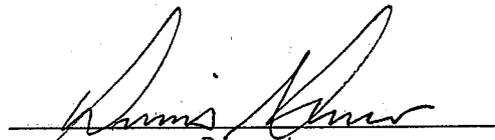
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

BL/anc

file

PERMIT TO CONSTRUCT

PERMIT NO. 90-397
SEE SPECIAL CONDITIONS

- New
- Renewal
- Modified

AMERICAN HERITAGE CENTER
ART MUSEUM WATER LINE RELOCATION

This permit hereby authorizes the applicant:

University of Wyoming
P.O. Box 3413
Laramie, WY 82071-3413

to construct, install or modify water line relocation according to the procedures and conditions of the application number 90-397. The facility is located in NW1/4 Section 34 T16N R73W in the county of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (5 years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

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The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th, Cheyenne, Wyoming 82002; telephone (307) 777-7781.

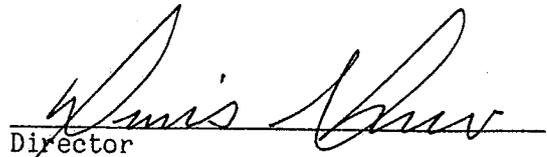
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AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

November 13, 1990
Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

CONDITIONS TO PERMIT TO CONSTRUCT #90-397

1. An air relief valve is shown at Station 11+15. It would appear that within the overall construction of City of Laramie water distribution system that this air relief valve is unnecessary. If at all possible the air relief valve and manhole should be deleted. If not deleted then the air intake must terminated at least 2 ft above the ground surface with an inverted "U" that is internally screened. Then the air riser must have an automatic drainback with a check designed to prevent backflow.
2. The water service provided by the existing line may not be interrupted for more than 48 hours and only after coordination with the City of Laramie Water Department. This interruption shall only be allowed between October 31 and April 15.

LBH/jt

cc: City of Laramie Engineering
City of Laramie Water Department



THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781
FAX (307) 777-5973

February 8, 1991

Jeff B. Fuller, P.E.
Banner Associates, Inc.
P O Box 550
Laramie, WY 82070-0550

RE: Application #90-398, Yoder Municipal Wells and Water Transmission System, W1/2 S15, T23N, R62W, Goshen County

Dear Mr. Fuller:

Your application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules and Regulations, must be followed.

Sincerely,

William L. Garland
Administrator
Water Quality Division

WLG/LH/nc

cc: Town of Yoder

RECEIVED

BANNER

CONSULTING ENGINEERS & ARCHITECTS

FEB 8 1991

BANNER ASSOCIATES, INC.
620 Plaza Court • P.O. Box 550
Laramie, Wyoming 82070-0550
(307) 745-7366
FAX: (307) 721-2152

January 7, 1991

WATER QUALITY DIVISION
WYOMING

Department of Environmental Quality
Water Quality Division
Herschler Building
122 West 25th Street
Cheyenne, WY 82002

Subject: Town of Yoder - Municipal
Wells and Water Transmission
System
Job No.: 2435-25

Attn: Mr. Lou Harmon

Dear Lou:

This letter is in response to your letter of January 29, 1991 to the Town of Yoder regarding the application for a permit to construct for the Yoder Municipal Wells and Water Transmission System. As we discussed over the phone this morning, project construction has been delayed due to inadequate funding. We anticipate numerous changes to the documents on order to reduce project costs. At the direction of the Owner, we will revise the project and submit a new package. At this time our best guess as to a timetable for submission of a new application for a permit to construct would be late March or April of 1991.

We appreciate your assistance. If you have any comments or questions, don't hesitate to contact us.

Sincerely;

BANNER ASSOCIATES, INC.



Jeff B. Fuller, P.E.
Project Manager

cc: Jerry Chamberlain, Mayor - Town of Yoder



THE STATE OF WYOMING
MIKE SULLIVAN
GOVERNOR

*Send to
Banner
att Jeff Banner*



Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

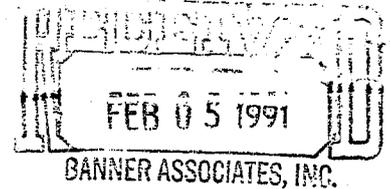
Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

January 29, 1991

Town of Yoder
P O Box 86
Yoder, WY 82244



Dear Sir:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Yoder Municipal Wells and Water Transmission System
DEQ/WQD Reference Number:	90-398
Engineering Consultant:	Banner Associates, Inc., Laramie
DEQ/WQD Reviewing Engineer:	Lou Harmon
Date of DEQ/WQD Review:	November 26, 1990

According to Chapter III of the Water Quality Rules and Regulations, Section 7(b)(2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division review engineer receives information concerning the status of this project within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



Louis B. Harmon, P.E.
Southeast District Supervisor
Water Quality Division

LBH/nc

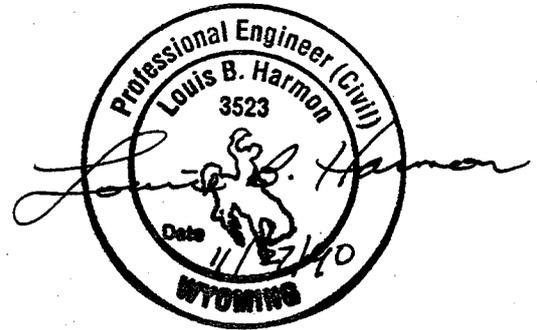
Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION - SOUTHEAST DISTRICT
Herschler Building, 4th West
Cheyenne, Wyoming 82002

PROJECT: YODER MUNICIPAL WELLS AND WATER TRANSMISSION SYSTEM

APPLICANT: Town of Yoder
P.O. Box 86
Yoder, WY 82244
307-532-2029

ENGINEER: Banner Associates, Inc.
P.O. Box 550
Laramie, WY 82070-0550
307-745-7366



WATER QUALITY DIVISION REFERENCE NUMBER: 90-398

REVIEWING ENGINEER: Louis Harmon, Southeast District Supervisor

DATE OF REVIEW: November 26, 1990

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

1. An application for permit to construct signed by the Town is required.
2. Section 6 of DEQ/WQD Chapter XII requires an engineering design report. For this project several items need to be addressed in this report:
 - a. The system demand should be analyzed.
 - b. The transmission line sizing should be addressed, including a hydraulic profile and the economics.
 - c. The possibilities of localized flooding of the individual well sites should be examined.
 - d. Contact time for the chlorination before the first tap should be calculated.
3. Provisions should be made for the preparation of an operations and maintenance manual and training of Town of Yoder personnel in operation of the completed system. Typically very small communities have trouble maintaining the sophisticated telemetry control systems. A 24 month maintenance contract might be included to get the town off on the right foot.

4. Chlorine test equipment must be provided as part of the contract.
5. The design of the well valve pits and well field control house is poorly conceived. The below ground structures are not adequately lighted or ventilated to conform to safety standards. Section 9(D)(III)(1) requires that all control valves and appurtenances be located above ground. The control building might as well be located over Well #1. By using a curb mounted skylight directly over the well the well house can be over the well and the pitless adaptor eliminated. Care should be taken to make sure that the pump house door is oriented so the well servicing truck can back up to it with the pulling unit directly over the sky light and well. With adequate insulation and weather tightness, the heating requirements for an above ground well house are minimal.
6. It would appear that most of the air/vac valve pits could easily be drained to daylight rather than to a drainfield. A fire hydrant should be cheaper than the the blow-off valve with a vault and a lower maintenance facility.

cc: Farmers Home Administration
P.O. Box 820
Casper, WY 82602

PERMIT TO CONSTRUCT

New

Permit No. 90-399

Renewal

Modified

Union Pacific Railroad Green River Yard
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Union Pacific Railroad

1416 Dodge Street

Omaha, NE 68179

to construct a wastewater plant effluent lift station and force main according to the procedures and conditions of the application No. 90-399.

The facility is located in NW 1/4, Section 27, T18N, R107W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

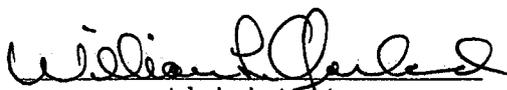
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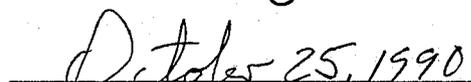
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

BL/anc

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 90-400

Date and 35th St. Watermain
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

City of Cody

1338 Rumsey Avenue

Cody, WY 82414

to construct 6" and 10" D.I. watermains according to the procedures and conditions of the application No. 90-400. The facility is located in Tract 70 T53N, R101W, resurvey in the County of Park, in the State of Wyoming.

This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

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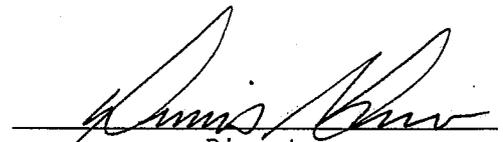
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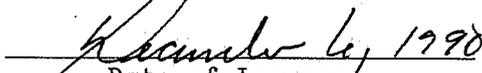
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Dept. of Environmental Quality



Date of Issuance

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JH/anc